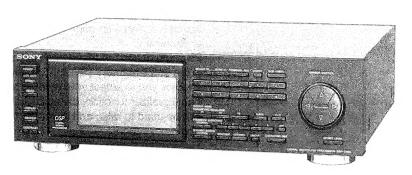
SDP-D905

SERVICE MANUAL

AEP Model **UK Model** E Model



This set is a Digital Surround Processor block of the Following models. LBT-D905CD

SPECIFICATIONS

Frequency response

2 Hz to 20 kHz \pm 0.5 dB

Total Harmonic Distortion

(with digital input) Less than 0.008% (with digital input)

Signal-to-noise ratio

More than 110 dB (with digital input)

General

Power requirement

240V AC, 50/60 Hz (UK model)

110V-120V/220-240V AC (E, Saudi Arabia models) 220-230V AC, 50/60 Hz (AEP, Germany, Italian models)

Power consumption

18W (AEP, Germany, Italian, UK models)

19W (E. Saudi Arabia models)

AC outlet

1 unswitched, 100W

Dimensions

Approx. $355 \times 107 \times 315.5 \text{ mm}$

(w/h/d, including projections)

Weight

Approx. 3.6 kg

Supplied accessaries

Audio connecting cords (2)

Optical cord (1)

Design and specifications subject to change without notice.

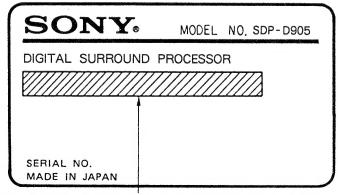
DIGITAL SURROUND PROCESSOR SONY

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MODEL IDENTIFICATION

- Specification Label -



AEP, Germany, Italian models: AC220 - 230V~50/60Hz

UK model: AC240V~50/60Hz

E, Saudi Arabia models : AC110 - 120V/220 - 240V

~50/60Hz

Using the Sound Manipulation Features

This unit is equipped with three sound adjustment functions – an equalizer function, a surround function and a dynamic sound function – for improving the sound in your listening environment.

20 combinations of these three functions are already preset in the unit's memory (SELECT 10 and MORE 10) and this enables you to select your favorite sound field easily. The equalizer function, called Digital Parametric Equalizer, can be used to raise and lower the levels of specific frequency ranges.

The surround function, called Digital Presence Surround, can be matched to the music genre or source to effectively reproduce a feeling of "being there."

The dynamic sound function, called Digital Dynamic Sound, can be used to give a powerful feeling to music when listening at low volume levels and also reduce strident noise. Making full use of these three functions allows you to create a variety of different sounds and effets and to maximize your music listening enjoyment.

Using the Sound Manipulation Features

Obtaining Digital Surround Processor Effects

Press EFFECT so that the indicator is turned on. Digital surround processor effects can not be obtained if the indicator is not turned on.

Compare the results by switching EFFECT on and off. With the indicator turned on, sounds with the processor effects can also be recorded on a tape in a cassette deck.

Adjusting the Effect Level

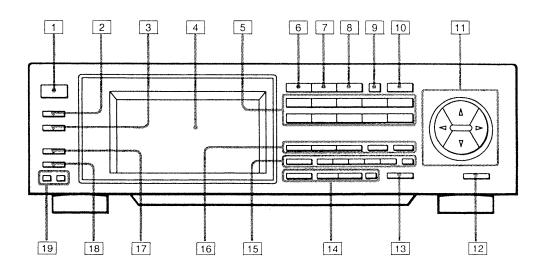
The degree of the processor effects on a selected source can be adjusted within the range of 0% to 100% in 20% intervals.

Press EFFECT LEVEL so that "EFFECT LEVEL" is indicated on the display, and then press ▲/► of the CURSOR CONTROL buttons to increase the effect level or ▼/◄ to decrease it

SECTION 1 GENERAL

This section is extracted from instruction manual.

Location of Controls



Refer to the page indicated in ●.

- 1 POWER switch
- 2 EFFECT button and indicator @
- 3 DEMO button 3
- 4 Display
- 5 Numeric buttons used with SELECT 10/MORE 10/PERSONAL FILE/SUB MENU.
- 6 SELECT 10 button and indicator @
- 7 MORE 10 button and indicator @
- 8 PERSONAL FILE button and indicator @
- 9 MEMORY button 🚳, 🚳
- 10 SUB MENU button @
- 11 CURSOR CONTROL buttons 10, 19, 20
- 12 EFFECT LEVEL button and indicator 10
- 13 CHARACTER EDIT button and indicator @
- 14 DYNAMIC SOUND buttons

CONTROL button and indicator @

COMPRESS button @

EXPANDER button @

LINEAR button @

15 PRESENCE SURROUND buttons CONTROL button and indicator @

Numeric buttons @

OFF button 29

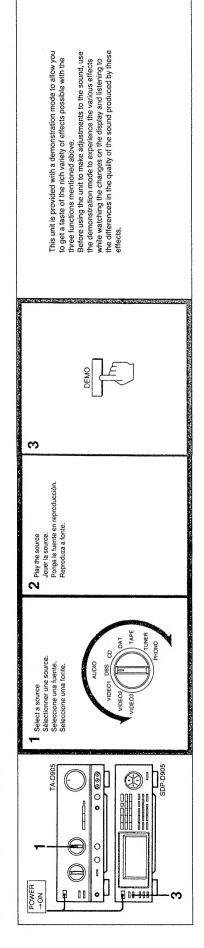
16 PARAMETRIC EQUALIZER buttons

F1/F2/F3 (frequency) buttons and indicators (8)

SLOPE button @

FLAT button @

- 17 DISPLAY button @
- 18 DIMMER button @
- 19 CONTRAST +/- buttons @



Demonstration Mode

To stop the demonstration mode Press DEMO again or any button other than the POWER switch.

Arrêt du mode démonstration Appuyer de nouveau sur la touche DEMO ou sur toute aulte touche que l'interrupteur d'alimentation POWER.

Para cesar el modo de demostración Vuelva a presionar DEMO o cualquier otra tecla, excepto el interruptor POWER.

Para interromper o modo de demonstração Pressione DEMO novamente ou qualquer outra tecla, excepto POWER. တ

 ∞

Using the Sound Manipulation

Utilisation des caractéristiques de manipulation du son

Empleo de las funciones de manipulación del sonido

processamento de Características do

Alteração das informações indicadas X SELECTIO METERALI ပ Cambio de la información visuali INFAR EQ SELECTION SERVICE SAN SELECTION SELECTION SELECTION SELECTION SELECTION SELECTION SERVICES SERVICES SERVICES SERVICES SERVICES SELECTION SELECT Modification de l'affichage d'informations 8 Nome da combinação pre-programada Name of each sound Nom de chaque son Nombre de cada sonido MAINT SECTION OF THE PROPERTY SPECTRUM ANALYZER X SELECTION NOT WELL THE lcon Icône Representación Selected function Function sélectionnée Función seleccionada Função seleccionada Changing the Displayed Information DISPLAY ۷

Each time DISPLAY is pressed, the display changes to show the following information:

- The spectrum analyzer is enlarged. All of the digital surround processor effects are diaplayed. It is convenient to check the processor effects while
 - adjusting sound. The same as the display of $[\underline{B}]$ except that the spectrum analyzer is not displayed at this time.

ပ

l'affichage change pour montrer les informations suivantes: Chaque fois que l'on appuie sur la touche DISPLAY,

para mostrar la información siguiente:

- L'analyseur de spectre augmente.
 Tous les effets de traitement numérique de l'ambiance sont affichés.
 - Il est pratique de vérifier ces effets en réglant le son.

 Même affichage que pour B, toutefois l'analyseur de spectre n'apparaît pas.

A cada pressionar de DISPLAY, o mostrador altera a indicação, resultando-se na exposição das seguintes Cada vez que presione DISPLAY, la visualización cambiará

- A Cobertura maior no analisador de espectro.

 B Indicação de todos efeitos de processamento digital perimétrico.
- enquanto ajusta o som.

 G O mesmo da indicação [B], sem a indicação do analisador Conveniente para verificar os efeitos de processamento

durante el ajuste del sonido. Igual que la visualización de B, excepto que en este

O

caso no se visualizará el analizador de espectro.

Muy útil para comprobar los efectos del procesador A Se agrandará el analizador de espectro.

B Se visualizarán todos los efectos del procesador

perimétrico digital.

Ajuste do brilho e do contraste do mostrador

Cambio del brillo y el contraste del visualizador

Para cambiar el brillo Presionando DIMMER podrá cambiar el brillo en 2

etapas.

Presione CONTRAST +/-Para cambiar el contraste

Para ajustar o brilho Pressione DIMMER, e seleccione uma das duas intensidades de brilho.

Pressione CONTRAST +/-Para ajustar o contraste

Se pressiona DEMO
A tecla DIMMER é desactivada no modo de demonstração.
Terminada a demonstração, a tecla é activada novamente.

Notas sobre a indicação

- O visor de cristal liquido (LCD), projectado para ser visto de um ângulo recto, é utilizado neste aparelho. Devido a esta característica, a cor varia de acordo com o ângulo de visão.
- Uma mudança na temperatura poderà alterar o nivel de contraste do mostrador. Neste caso, ajuste o nível de contraste com CONTRAST +/-.

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Changing the Brightness and Contrast of the Display

To change the brightnessPress DIMMER so that the brightness switches in 2 stages.

To change the contrast Press CONTRAST +/-.

If the DEMO button is pressed
The DIMMER button will be disengaged in demonstration mode. When the demonstration is stopped, it will be engaged again.

- Notes on the display

 The Light Cypsial Display (LCD), which is designed to be viewed
 straight on, is used for this unit. Consequently the color of the
 display changes according to the angles from which the display is
- A change in temperature may change the contrast level of the display.
 If this occurs, adjust the contrast level by pressing CONTRAST

Modification de la luminosité et du contraste de l'affichage

Modification de la luminosité Appuyer sur la touche DIMMER, la luminosité passe au degré

Appuyer sur la touche +/-Modification du contraste

Encienchement de la touche DEMO La touche DIMMER est libérée en mode de démonstration, mais lorsque ce mode est de nouveau hors service, l'atlénuateur est de nouveau enclenché.

Remarques concernant l'affichage • Un affichage à cristaux liquides (LCD), conçu pour une lecture de face, est utilisé dans cet appareil; par conséquent la couleur de celui-ci change suivant l'angle dans lequel vous le regardez. Un changement de la température peut modifier la luminosité de l'afficage. Dans ce cas, la réajuster en appuyant sur la touche CONTHAST + / - .

Si presiona la tecla DEMO La tecla DIMMER se desactivará en el modo de demostración. Cuando cese la demostración, volverá a activarse.

- Para esta unidad se emplea un visualizador de cristal líquido (LCD) diseñado para verse perpendicularmente. Por consiguiente el color del visualizador cambiará de acuerdo con el ángulo que el que se Notas sobre el visualizador
 - . Un cambio de temperatura pude producir el cambio del brillo del visualizador. Cuando ocurra esto, cambie el brillo presionando CONTRAST +/ -.

usting the Sound with Preset

Settings - SELECT 10/MORE 10

This function allows you to adjust the sound with 20 preset combinations of equalizer, surround, and dynamic sound effects to enable you to set the sound quality to suit your aste and listening conditions.

préréglages – select 10/MORE 10 Réglage du son avec les

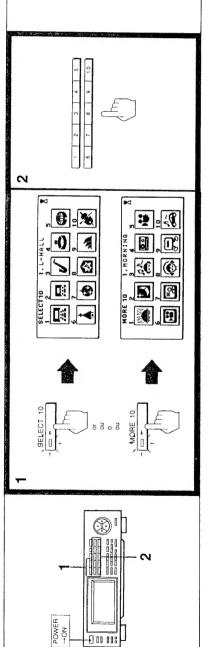
Cette fonction vous permet de régler le son à l'aide de 20 combinaisons de préréglage des effets produits par l'égaliseur, le traitement de l'ambiance et les basses dynamíques pour adapter la qualité du son à votre goût particulier et à votre environnement.

memorizados - SELECT 10/MORE 10 Ajuste del sonido con ajustes

combinaciones de efectos de ecualización, sonido perimétrico, y sonido dinámico para que pueda ajustar cualidad del sonido a su gusto o de acuerdo con las Esta función le permitirá ajustar el sonido con 20 condiciones de escucha.

Ajustes pré-programados - SELECT 10/MORE 10

combinações de ajustes no equalizador, processador perimétrico, e compressor/expansor digital. Ajuste o som de acordo com suas preferências e o ambiente do local de escuta. Esta função possibilita o ajuste do som com 20



SELECT 10 Preset Settings

Gives the atmosphere of a large hall of which the seating capacity is more than 2000.

Gives the atmosphere similar to an instrumental recital held in a small hall.

Reproduces stressed sounds which are most likely created in a location surrounded with solid walls. JAZZ CLUB

STADIUMGives the atmosphere similar to a performance held in a

ARENA(GYM) stadium.

Rend l'atmposphère musicale d'un concert se tenant

dans un stade couvert.

ARENA (GYM)

Reproduit l'atmosphère sonore d'un stade.

STADIUM

Gives the atmosphere similar to a live concert held in a

Produces natural echo most likely created in surroundings CHURCH

such as in a church.

Reproduces disco-like sounds most likely created in surroundings with a solid floor and walls.

Rend des sonorités similaires à l'ambiance créée par un

lieu au sol et murs résistants.

(à suivre)

Produit l'écho naturel d'une église.

DISCO

CHURCH

(to be continued)

Ofrece la atmósfera de una sala grande con una capacidad de más de 2000 asientos. L-HALL (Sala grande)

Ofrece una atmósfera similar a la de un recital S-HALL (Sala pequena)

instrumental celebrado en una sala pequeña.

Reproduce el sonido tenso que suele producirse en un lugar rodeado por paredes sólidas. JAZZ CLUB (Club de jazz)

Reproduit les sons accentués d'un orchestre de jazz dans

un local construit de murs épais.

Rend l'atmosphère d'un récital de musique instrumentale

dans une petite salle de concert.

JAZZ CLUB

Rend l'atmosphère d'un grand hall dont la capacité

dépasse 2000 places.

L-HALL

Préréglages SELECT 10

Ofrece una atmósfera similar a la de una actuación celebrada en un estadio. STADIUM (Estadio)

Ofrece una atmósfera similar a la de un concierto en vivo ARENA (GYM) (Gimnasio) celebrado en un gimnasio.

Produce el eco natural que suele crearse en ambientes tales como una iglesia CHURCH (Iglesia)

Reproduce sonidos semejantes a los de una discoteca que suelen crearse en ambientes con piso y paredes DISCO (Discoteca)

(continúa en la página siguiente)

Ajustes pré-programados SELECT 10

Simula o ambiente de uma grande sala de concertos com capacidade superior a 2000 pessoas

Simula o ambiente de um recital de música instrumental numa pequena sala de concertos.

S-HALL

Reproduz sons nítidos que provavelmente seriam criados em cómodos com paredes sólidas. JAZZ CLUB

Simula um ambiente similar a concertos ao vivo num STADIUM

Simula o ambiente similar a concertos ao vivo em sala de ARENA estádio.

Produz o eco natural que provavelmente seriam criados numa igreja. desportos. CHURCH

Reproduz características de músicas do género disco, os sons que provavelmente seriam criados em locais com paredes e pisos sólidos.

(continua)

15

Digital Parametric Equalizer usting the Sound with the

This feature allows you to adjust the sound by raising or lowering the levels of specific frequency ranges.

POWER -ON

Réglage du son avec l'égalisation paramétrique numérique

Cette caractéristique vous permet de régler le son en augmentant ou diminuant le niveau de gamme de fréquence particulière

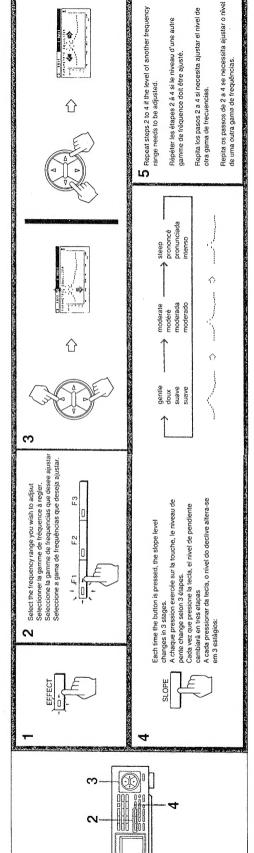
Ajuste del sonido con el ecualizador paramétrico digital

Esta función le permitirá ajustar el sonido aumentando o disminuyendo los niveles de gamas de frecuencias

especificas.

lizador paramétrico digital Ajustes com o equal

Esta característica ajusta o som mediante o reforço ou a atenuação de uma dada gama de frequências.



Approximately 10 seconds after the adjustment, the normal To restore it more quickly, press the frequency button (F1/F2/F3) which is illuminated. indication will resume.

Environ 10 secondes après le réglage, l'indication originale revient. Appuyer sur la touche de fréquence (F1/F2/F3) illuminée pour la rétablir plus rapidement.

In step 2

A l'étape 2

Frequency range Middle range High range Low range Button 正 F2 F3

Gamme moyenne fréquence Gamme basse fréquence Gamme haute fréquence Gamme de fréquence Touche Ξ 2 2

Aproximadamente 10 segundos después del ajuste, se reanudará la indicación normal. Para reanudaría con mayor rapidez, presione la tecla de frecuencia (F1/F2/F3) que esté

En el paso 2

Tecla	Gama de frecuencias
F1	Gama baja
F2	Gama media
F3	Gama alta

Cerca de 10 segundos após o ajuste, retorna-se a indicação normal. Para obter máis rapidamente a indicação normal, pressione a tecla de frequências (F1/F2/F3) que estiver iluminada.

No passo 2

_	Tecla	Gama de frequências
_	F	Gama baixa
_	F2	Gama média
r	F3	Gama alta
1		

Nota $S_{\rm c}$ dos crestas o senos de la cuna de ecualización se combinan y el pico de la cesta o el seno resultante sobrepasa los \pm 12 dB, en el vasualizador se indicaia "OVER".

Nota Se dois picos na curva de equalização forem combinados, e o pico resultante exceder ± 12 dB, OVER será indicada no mostrador.

5

Note If we cross so troughs on the equalizar curve are combined and the peak of the resulting crest or trough exceeds \pm 12 dB, "OVER" will be indicated in the display.

Remarque Si les crées et creux de la courbe d'égalisation se combinent de l'elle sorte que la crête ou le creux dépasse \pm 12 dB, l'indication 'OVER' est affichée.

 $\frac{1}{\infty}$

Using the Digital Presence Surround Effects

By using this unit's various surround effects, you can create a feeling of presence similar to being in a concert hall or

stadium.

numériques d'ambiance tilisation des effets

Lorsque vous utilisez les effets d'ambiance divers vous pouvez créer une atmosphère ressemblant à celle que vous auriez lors d'un concert ou dans un stade.

Empleo de los efectos perimétricos

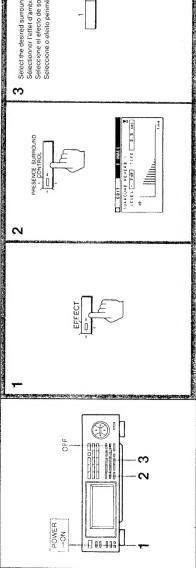
esta unidad, podrá crear una sensació**n** de presencia similar a la experimentada en una sala de conciertos o un estadio. Empleando los diversos efectos de sonido perimétrico de

do perimétrico deseado, consultando la tabla siguiente, co de acordo com a tabela abaixo. ice souhaité en vous reportant au tableau ci-dessous.

effects, referring to the table below.

Efeito perimétrico digital

Mediante o uso dos vários efeitos perimétricos, pode-se simular a sensação de estar presente numa sala de concertos ou num estádio.



Selectioner reflect surround e Selectioner reflect d'ambian Seleccione el efecto de sonic Seleccione o efeito perimétrir.	
PHESENCE SURPOUND	

on half the state of	-
	Atmósfera de una sala de conciertos grande (para música clásica)
	1 REVERB 1

Atmósfera de un estadio (reverberaciones procedentes de

REVERB 2

2

Atmosphère d'une grande salle de

REVERB 1 REVERB 2 REVERB 3 e N

Atmosphere of a large concert hall (for classical music)

Atmosphere of a stadium (reverberations from far away)

Atmosphere of a large stone church (long reverberations

concert (pour musique classique)

Atmosphère d'un stade (réverbération lointaine)

lejos)

REVERB 3

ന

Atmosphère d'une grande église de pierre (longue réverbération et

Atmósfera de una iglesia grande (reverberaciones de lejos que incluyen sonido de alta

Sonido de un concierto en vivo

EARLY REFLECTION 1 REFLECTION 2

4

Imite l'effet stéréo sur des sources monophoniques

EARLY REFLECTION 2 EARLY REFLECTION 1

Simulated stereo effect on monaural sources

REFLECTION 2 REFLECTION 1

EARLY

Annulation de l'effet d'ambiance Appuyer syr OFF.

To cancel the surround effects Press OFF.

Son d'un concert en "life" son de haute fréquence)

including high frequency sound)

Sound of live concert

4

EARLY

(recuencia)

Efecto estéreo simulado de fuentes monoaurales

iB i simula o ambiente de uma grande sala de concertos (para músicas clássicas)	IB 2 simula o ambiente de estádios (revereração distantes)	imula grandes igrejas com paredes de pedra (longas reverberações incluindo sons de altas frequências)	Som de concertos ao vivo	
REVERB 1	REVERB 2	неvенв з	EARLY REFLECTION 1	
-	2	6	4	

Para cancelar os efeitos perimétricos Pressione OFF.

Para cancelar los efectos de sonido perimétrico Presione OFF.

 $-1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 5 \rightarrow \text{OFF}$ (Ausencia de efecto)

Cuando emplee el tetemando La reca DPS del tenemando corresponde a la tocia PRESENCE SURPCIVID CONTROL de la unidad principal. Cada vez que presione la tecla, el efecto de sonido perimétrico cambiará en la secuencia siguiente:

OFF 5 3 23

The DPS button on the remote commander corresponds to the PRESENCE SUAROUND CONTROL button on the main unit. Every time the button is pressed, the surround effects switch in the

When operating with the remote commander

	-	
	OFF -	
	ıΩ	
	4	
	2 3 4	
	n	
	2	
1	-	
	1	

La touche DPS de la télécommande correspond à la touche PRESENCE SURROUND CONTROL de l'appareil principal. Chaque fois que la touche est enfoncée, les effets d'ambiance 9 changent dans l'ordre suivant: 7

Fonctionnement par télécommande

Controle com o telecomando
A tecia DS son telecomando conesponde à tecia PRESENCE
SCHPCOUND CONITOL no aparetino principal.
A cada pressionar da tecia, os efeilos perimétricos sao alterados

REVERB 1 REVERB 2 REVERB 3

sing the Digital Dynamic

functions; compressor and expander (noise reduction) This unit is provided with two digital dynamic sound

low volume sound more powerful although it can be enjoyed tapes meant for playing in a Walkman or car stereo, since it The compressor function is especially effective for making has the effect of making low volume sound easier to hear at normal volume levels. Also, it is effective for recording

The expander function can reduce disturbing noise between selections recorded on a tape. Therefore it is effective for

over external noise.

tilisation du son dynamique

numérique

dynamique; les fonctions de compression et d'expansion Cet appareil est pourvu de deux fonctions de son

La fonction d'expansion permet de réduire les bruits gênants rendre des sons de bas volume plus puissants, tout en étant écoutés à un niveau normal. Cette fonction agit tout automobile, car elle rend un son de faible volume plus facile La fonction de compression est spécialement conçue pour entre les plages d'une cassette. Elle est donc particulièrement efficace lors de la lecture de cassettes. particulièrement lors de l'enregistrement de cassettes destinées à un Walkman ou une chaîne stéréo pour à écouter, malgré les nuisances extérieures.

Empleo del sonido dinámico

fazer com que sons de baixo volume sejam reforçados a um Este aparelho é equipado com duas funções de som digital: nivel de volume normal. Também, é efectiva para gravação de fítas a serem escutadas em walkmans ou auto-estéreos, A função de compressão é especialmente efectiva para as funções de compressão e de expansão.

hacer el sonido de bajo volumen más potente aunque pueda

disfrutarse a niveles de volumen normal. Además, será

La función de compresión es especialmente efectiva para

digital; funciones de compresión y expansión (reducción de

Esta unidad dispone de dos funciones de sonido dinámico

Walkman o en un sistema estéreo, porque tiene el efecto de

hacer que el sonido de bajo volumen pueda oírse más

fácilmente sobre el ruido externo.

efectivo para grabar cintas que deseen reproducirse en un

entre las canciones grabadas en una cinta. Por lo tanto, será

La función de expansión puede reducir el ruido perturbador

já que esta função compensa os sons de baixo volume em relação aos sons externos.

A função de expansão pode reduzir os ruidos de fundo entre músicas gravadas em fitas, sendo portanto efectivo para reprodução de cassetes.

de disponibilité. Alarga el tiempo de liberación. Lengthen the release time. Augmentation de la durée Aumente o tempo de desactivação da função. Augmentation de l'efficacité Aumenta la eficacia. Aumenta a eficiência. Decrease the efficiency. Diminution de la durée. Função de compressão Disminuye la eficacia. Diminua a eficiência. Increase the efficiency. Acorta el tiempo de liberación. desactivação da função. Shorten the release time. Diminution de la durée de disponibilité. Encurte o tempo de O tempo de duração da função é o tempo de duração do efeito da Tiempo de liberación es el tiempo durante el cual una función Obtención del efectó de la función de co Régler la durée de disponibilité* et l'efficacité. Ajuste el tiempo de liberación* y la eficacia. Ajuste o tempo de desactivação da lunção* e eficiência. permance en efecto después de haberse desactivado. função após a liberação da tecla correspondente. which a function remains alive after it is Adjust the release time* and efficiency. disengaged. La durée de l'effet déclenché par une efectivo para reproducir cintas. The release time is the time during s'appelle durée de disponibilité. fonction après arrêt de celle-ci, က Fonction de compress 2 Obtaining the Compressor Function Effe LINEAR POWER -ON · 0 0 0 0 0 8

Alarga el tiempo de liberación. Lengthen the release time. Augmentation de la durée Aumente o tempo de desactivação da função. de disponibilité. Increase the efficiency. Augmentation de l'efficacité. Aumenta la eficacia. Aumenta a eficiència. Decrease the efficiency. Diminution de la durée. Disminuye la eficacia. Diminua a eficiência. Função de expañsão Acorta el tiempo de liberación. Encurte o tempo de Shorten the release time. desactivação da função. Diminution de la durée de disponibilité. Adjust the release time* and efficiency. Regier la durée de disombilé* et l'efficacité. Alyste et l'empo de liberación y la efficacia. Ajuste o rempo de desactivação da função* e eficiência. Obtención de la función de expar 4 က Fonction d'expansion 2 Obtaining the Expander Function LINEAR POWER -ON 00-008

To disengage the digital dynamic sound Press LINEAR

If the EFFECT button is pressed (so that the indicator turns off), all of the digital surround processor effects will be

Si l'on appuie sur la touche EFFECT (de manière à éteindre l'indicateur), tous les effets de traitement numérique du son Suppression du son dynamique numérique d'ambiance sont libérés. Appuyer sur LINEAR.

Desactivación del sonido dinámico digital Presione LINEAR.

indicador), se desactivarán todos los efectos del procesador Si presiona la tecla EFFECT (de forma que se apague el de sonido perimétrico digital.

Desactivação do compressor/expansor Pressione LINEAR.

Se EFFECT for pressionada (fazendo com que a indicação se desligue), todos os efeitos do processador perimétrico digital serão desactivados. 27

lusted Sound - Personal File oring the Individually

By storing the individual digital surround processor effects in the memory, you can easily call up the settings at any desired time.

surround, and dynamic sound functions, and also can give names to these individual settings by using 50 characters You can store up to 10 combinations of the equalizer, and a space.

Storing the Desired Adjustments

Mémorisation du son réglé **oar l'utilisateur** - Fichier person

dynamique. Vous pouvez aussi donner à ces combinaisons un nom en vous servant des 50 caractères et de d'ambiance choisis selon vos préférences, il vous est facile Vous pouvez mémoriser jusqu'à 10 combinaisons à l'aide En mémorisant les effets de traitement numérique des fonctions d'égalisation, d'ambiance et de son de rappeler ces préréglages au moment voulu. 'espacement.

zenamento da combina de ajustes - Personal File Almacenamiento de sonido

memória, pode-se facilmente obter os ajustes no momento equalização, efeito perimétrico, e compressão/expansão. desejado. Pode-se armazenar um máximo de 10 combinações de Mediante o armazenamento de cada efeito digital na

perimètrico digital en la memoria, podrá invocar fácilmente los ajustes en el momento deseado. Usted podrá almacenar hasta 10 combinaciones de funciones de ecualización, de

Almacenando los efectos del procesador de sonido

asignarles nombres empleando 50 caracteres y un espacio. sonido perimétrico, y de sonido dinámico, y también podrá

Almacenamiento de los ajustes deseados

Mémorisation des réglages souhaités

Adjust the Digital Parametric Equalizer (see page 18), Digital Presence Surround (see page 22), and Digital Dynamic Sound (see page 26).

Designe 🗷 cada combinação, um memorando, dispondo-se de 50 caracteres e um espaço.

adjustment is memorized in the selected number "P.FILE MEMORY" est affiché et le réglage est Aparecerá "P. FILE MEMORY", y el ajuste se memorizará en el número seleccionado. "P. FILE MEMORY" is indicated, and the mémorisé sous le numéro sélectionné.

«P.FILE MEMORY» é indicado, e o ajuste é memorizado no número seleccionado.

Designe um número para cada combinação de ajustes enquanto «MEMORY STAND BY» estiver indicada. Asigne un número a los ajustes individuales mientras se esté indicando "MEMORY STAND BY". Assign a number to the individual adjustments while "MEMORY STAND BY" is indicated. Donner un nom à ces réglages personnels lorsque "MEMORY STANDBY" est affiché.

BE

numérique d'ambiance (voir page 22) et le son numérique dynamique (voir page 26). Ajuste el ecualizador perimétrico digital

Régler l'égaliseur paramètrique numérique (voir page 18), le son

POWER

ŏ

JEMORY

Calling up the Settings

Press PERSONAL FILE* and then the numeric button in which the desired adjustment has been stored.

(S10/M10/P.F). Memorized settings to be called up change in the When using the remote commander, press SELECT following sequence;

(S10/M10/P.F). Les réglages mémorisés à rappeler changent

0) ——— MORE 10 (M10) — PERSONAL FILE (P.F.)

dans l'odre suivant:

Appuyer sur "PERSONAL FILE"*, puis sur la touche

Rappel des réglages

numérique où le réglage souhaité a été mémorisé. Si la télécommande est utilisée, appuyer sur SELECT

> 0) ——— MORE 10 (M10) — PERSONAL FILE (P.F.) ——— → SELECT 10 (S10)

Invocación de ajustes

Presione PERSONAL FILE* y después la tecla numérica en la que haya almacenado el ajuste deseado. Cuando emplee el telemando, presione SELECT (S10/M10/P.F). Los ajustes memorizados que podrán invocarse cambiarán en la secuencia siguiente:

→ MORE 10 (M10) PERSONAL FILE (P.F.) 4 ----- SELECT 10 (S10)

Pressione PERSONAL FILE* e então a tecla numérica Reobtenção dos ajustes

correspondente ao ajuste armazenado.

PERSONAL FILE (P.F.) ←

29

The state of the s

paramétrico de presencia digital (consulte la página 23), y el sonido dinâmico digital (consulte la página 27).

(consulte la página 19), el sonido

Ajuste o equalizador paramétrico digital

(página 19), o efeito perimétrico digital (página 23), e compressão/expansão (página 27).

Adjusted Sound - Personal File Storing the Individually-

par l'utilisateur - Fichier personnel Mémorisation du son réglé

individualmente ajustado - Archivo pers Almacenamiento de sonido

de ajustes - Personal File

Armazenamento da combinação

Le numéro de tichier personnel désigné et Y-FILE MEMONYY sont affichés.
Se indicatin et número asignado al activio personal y 'P-FILE MEMORY" O número designado e «P-FILE MEMORY» acendem-se. The assigned personal file number and "P.FILE MEMORY" are indicated. Designação de memorandos para a combi de ajustes – Edição de memorandos Move the cursor. Bouger le curseur. Mueva el cursor. Desloque o cursor. 4 Ę Seleccione un carácter. Seleccione um caracter. Choisir un caractère. Select a character. Asignación de nombres a los ajustes individualmente ajustados - Archivo personal က Assign a number to the individual adjustment while "MEMORY STAND BY" is indicated. Designer un nombre au réglage personnel lorsque "MEMORY STAND BY" est affiche. Asigne un rutmero at ajuste individual mientras se esté indicando "MEMORY STAND BY". Designe um rutmero à combinação de ajustes enquanto «MEMORY STAND BY » estiver acesa. The preset name will be indicated. Le nom préréglé est affiché. Se le indicará el nombre asignado. Será indicado o memorando. Cursor Curseur Cursor Cursor 分 Dénomination des réglages personnels - Montage de caractères CHARACTER EDIT 2 9 Régler le son ou rappeler le réglage Ajuste el sonido, o invoque el ajuste Adjust the sound, or call up the individual setting. Ajuste o som, ou obtenha a combinação de ajustes já Repeat steps 3 and 4.
Répeter les étapes 3 et 4.
Repita los pasos 3 y 4.
Repita os passos 3 e 4. armazenada. individual. S -Giving Names to the Individual Adjsutments - Character Edit 3,4 2 9 POWER -B 00 008

To change the name Repeat the above procedure from the beginning.

Répéter la procédure précédente à partir du début. Modification du nom

Para cambiar el nombre Repita el procedimiento anterior desde el comienzo.

Para alterar a memorando Repita os procedimentos acima indicados a partir do início.

Caracteres disponibles

()* + , - , /012345678: % < = .? (espacio) ABCDEFGHIJKLMNOPORSTUVWXYZ

Emplee ◀ de las teclas CURSOR CONTROL para invocar un carácter anterior. Mantenga presionada ▲ o ♥ de las teclas CURSOR CONTROL para saltar caracteres.

Caracteres disponíveis

()*+, -./0123456789:% < = >? (espaço) ABCDEFGHIJKLMNOPQRSTUVWXYZ

anterior. Mantenha ▲ ou ▼ de CURSOR CONTROL pressionada para saltar Empregue a tecla ◀ de CURSOR CONTROL para obter o caracter caracteres.

Available Characters

() + , - ./0123456789:% < = > ? (space) ABCDEFGHIJKLMNOPQRSTUVWXYZ

Keep pressing ▲ or ▼ of the CURSOR CONTROL buttons to skip Use ◀ of the CURSOR CONTROL buttons to call up a previous

Caractères disponibles

()* +, -./0123456789:% < = >? (espace)
ABCDEFGHIJKLMNOPQRSTUVWXYZ

Utiliser ◀ des touches CURSOR CONTROL pour appeler le caractère précédent. Maintenir ▲ ou ▼ enfoncé sur les touches CURSOR CONTROL pour sauter des caractères.

31

Jsing the Sub-Menu Window

Affichage du

The unit is equipped with 5 other essential functions which are listed in the sub-menu window.

Press SUB MENU and then a number for the desired

Appuyer sur la touche SUB MENU, puis sur un numéro de la fonction souhaitée.

Cet appareil est équipé de 5 autres fonctions essentielles

affichées sur le menu secondaire

a unidad dcispone de otras 5 funciones esenciales

Empleo de la ventanilla del

indicadas en la ventanilla del submenú.

Presione SUB MENU y después el número correspondiente a la función deseada.

O aparelho vem equipado com 5 outras funções essenciais que estão listadas no sub-menu.

Mostrador sub-menu

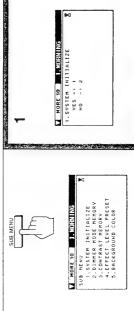
desejada.

S

4

က

Pressione SUB MENU e então o número da função



2. DIMMER NODE MENORY
LAST DIMMER MENORY
VES -> 1
NO -> 2 V MORE 10 1. MORNING S

V MORE 10 IL MORNING 4.EFFECT LEVEL P 100 % -> 1 80 % -> 2 60 % -> 3 3.CONTRAST NEMORY
LAST CONTRAST LEVEL MEMORY
VES -> 1
NO -> 2

V MORE TO THEODRALMS

MORE 10 1. MURNING
5. BACKGROUND COLOR
HHITE -> 1
BLUE -> 2

All of the digital surround processor effects can be SYSTEM INITIALIZE

By pressing 1, the settings of following items will return to

the initial factory settings.

• Digital parametric equalizer (see page 18) Digital presence surround (see page 22)

- Digital dynamic sound (see page 26)
 - Effect level (see page 10)

 - Personal file (see page 28) Dimmer (see page 12)
 - Contrast (see page 12)
- Effect level preset (see below) DIMMER MODE MEMORY
- The brightness of the display, individually set, can be

If you press 2, the display becomes brighter every time the power is switched on. To memorize it, press 1.

The contrast level of the display, individually set, can be If you press 2, the contrast level becomes 50% every To memorize it, press 1. CONTRAST MEMORY

The effect level can be preset and memorized prior to **EFFECT LEVEL PRESET**

time the power is switched on.

The effect level of the setting being used cannot be changed. To change it, recall the same setting or another Three preset effect levels are provided. Press 1, 2, or 3 calling up SELECT 10 or MORE 10 settings. according to the desired level. one after pressing 1, 2, or 3.

BACKGROUND COLOR

The background color of the display is selectable, There are two alternatives; white and blue. Press 1 for white or 2 for blue.

Fous les effets de traitement numérique de l'ambiance Initialisation du système (SYSTEM INITIALIZE)

En appuyant sur 1, les réglages des paramètres suivants Egalisatión paramétrique numérique (voir page 18) reviennent aux réglages initiaux effectués en usine. peuvent être initialisés.

- Son dynamique numérique (voir page 26) Environnement numérique (voir page 22)
 - Niveau d'effet (voir page 10)
 - Fichier personnel (voir page 28)
 - Atténuateur (voir page 12) Contraste (voir page 12)

Mémorisation du mode d'atténuation

Préréglage du niveau d'effet (voir ci-dessous)

La luminosité de l'écran réglée individuellement peut être Si l'on appuie sur 2, l'affichage devient plus lumineux (DIMMER MODE MEMORY) après la mise sous tension. Pour cela, appuyer sur 1. mise en mémoire.

Mémorisation du contraste (CONTRAST MEMORY) Le niveau de contraste de l'affichage réglé

Si l'on appuie sur 2, le niveau de contraste est à 50% à personnellement peut être mémorisé. Pour le mémoriser, appuyer sur 1. chaque mise sous tension.

Préréglage du niveau d'effet (EFFECT LEVEL PRESET)

Irois niveaux d'effets sont fournis. Appuyer sur 1, 2 ou 3 Le niveau d'effet du réglage utilisé ne peut être modifié. Pour cela, rappeler le même réglage ou tout autre en Le niveau d'effet peut être mis en mémoire avant de rappeler les préréglages SELECT 10 ou MORE 10. selon le niveau souhaité.

Vous pouvez choisir entre deux couleurs de fond de Couleurs de fond (BACKGROUND COLOR)

Appuyer sur 1 pour obtenir le blanc et 2 pour le bleu.

l'écran: blanc ou bleu.

El color de fondo del visualizador es seleccionable. Existen dos alternativas: blanco y azul. Presione 1 para blanco o 2 para azul. BACKGROUND COLOR

SYSTEM INITIALIZE

odos os efeitos do processador perimétrico digital são Pressionando-se 1, os ajustes dos seguintes itens retornam aos níveis pré-programados na fábrica. apagados.

 Equalizador paramétrico digital (página 19) Efeito perimétrico digital (página 23)
 Compressão/Expansão (página 27)

Ecualización paramétrica digital (consulte la página 19)

Sonido paramétrico de presencia digital (consulte la

Sonido dinámico digital (consulte la página 27)

páqina 23)

Archivo personal (consulte la página 29)

Nivel del efecto (consulte la página 11)

femes siguientes volverán a los inicialmente realizados

Podrán inicializarse todos los efectos del procesador

perimétrico digital. Al presionar 1, los ajustes de los

- Nível do efeito (página 11)
- Personal File (página 29) Iluminação (página 13)
- Constraste (página 13)

Nível do efeito pré-programado (veja abaixo) DIMMER MODE MEMORY

Nivel de los ajustes memorizados (consulte más abajo)

 Contraste (consulte la página 13) Brillo (consulte la página 13)

El brillo del visualizador, individualmente ajustado, podrá memorizarse. Para memorizarlo, presione 1.

DIMMER MODE MEMORY

Si presiona 2, el visualizador se volverá más brillante

cada vez que conecte la alimentación.

CONTRAST MEMORY

A iluminação do mostrador, ajustado por item, pode ser

Se pressiona 2, a iluminação do mostrador torna-se mais intensa cada vez que se liga a alimentação. Para armazenar, pressione 1. armazenada.

CONTRAST MEMORY

El nivel de contraste del visualizador, individualmente

Si presiona 2, el nivel del contraste se volverá el 50%

Para memorizarlo, presione 1. ajustado, podrá memorizarse.

cada vez que conecte la alimentación.

EFFECT LEVEL PRESET

Se pressiona 2, o nível de contraste fica a 50% 🗉 cada O nível de contraste do mostrador, ajustado por item, Para armazenar, pressione 1. vez que se liga a alimentação. pode ser armazenado.

EFFECT LEVEL PRESET

O nível do efeito pode ser pré-programado e armazenado 3 níveis de efeitos estão programados. Pressione 1, 2, ou O nível do efeito do ajuste em uso não pode ser alterado. Para alterar, reobtenha o mesmo ajuste ou um outro antes de obter os ajuste SELECT 10 ou MORE 10. 3 de acordo com o nível desejado

El nivel del efecto de un ajuste que esté empleándose no

2, o 3 de acuerdo con el nivel deseado.

podrá cambiarse. Para cambiarlo, invoque el mismo

ajuste u otro después de presionar 1, 2, o 3.

El nivel del efecto podrá preajustar y memorizarse antes Existen tres niveles de efecto preajustados. Presione 1,

de invocar los ajustes de SELECT 10 y MORE 10.

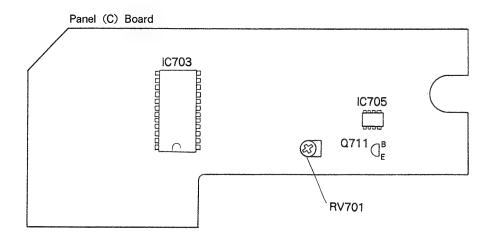
BACKGROUND COLOR

È possível seleccionar a cor de fundo do mostrador, entre Pressione 1 para o branco ou 2 para o azul. 33

SECTION 2 ADJUSTMENT

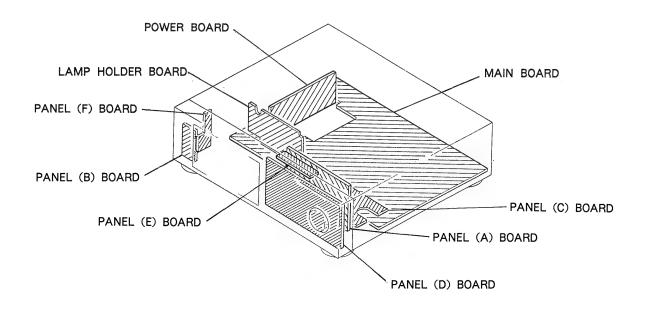
[Electrical adjustment]

· Contrast adjustment



SECTION 3 DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION



3-2. IC DESCRIPTION

IC701 Feature Control Microcomputer (HD6435328F6)

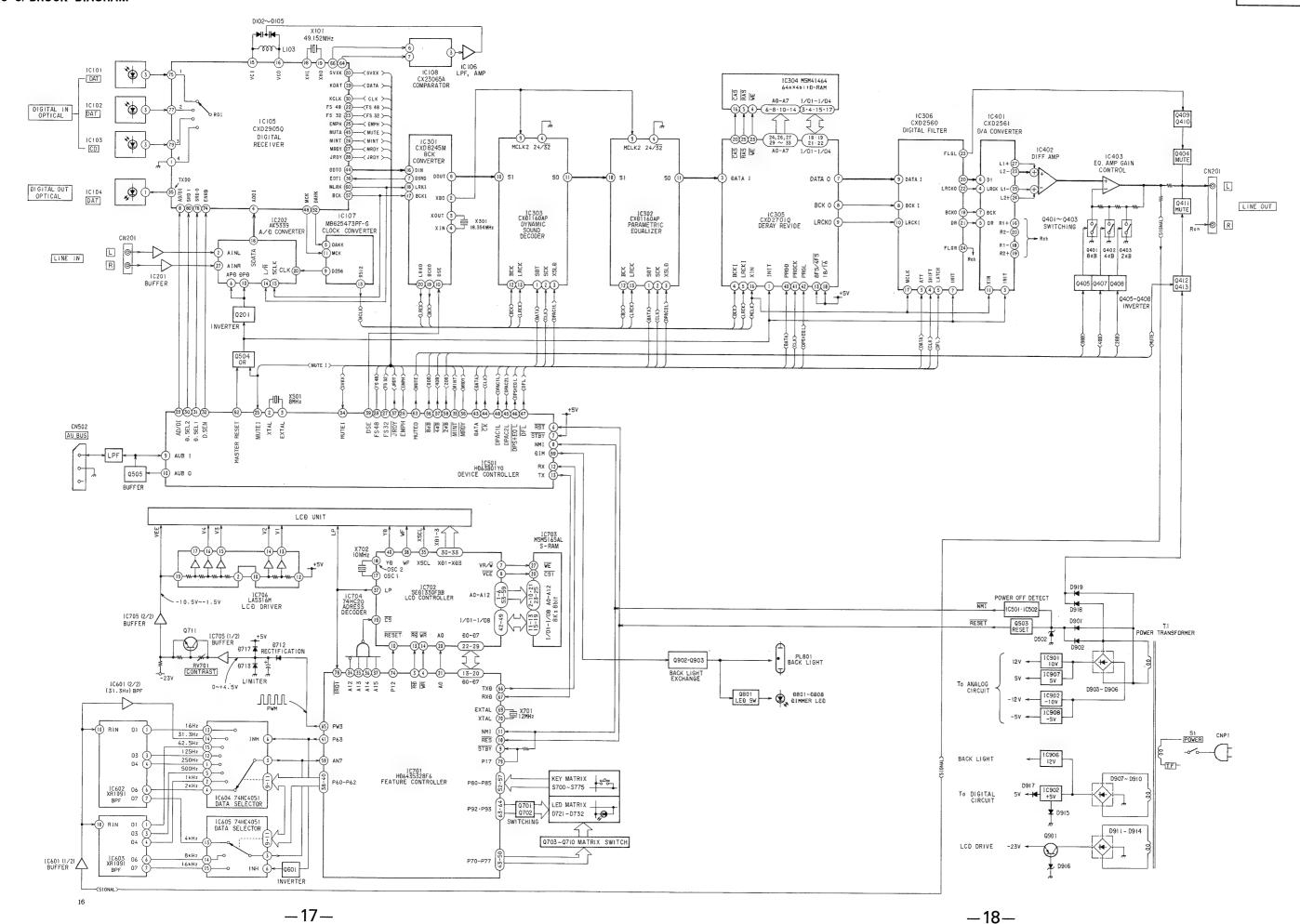
Displaying of LCD and LED is controlled in accordance with spectrum analyzer data input, key input, and audio bus input. Data of equipments' settings are transmitted to the device control microcomputer (IC501) in serial communication.

Pin No.	Pin Name	I/O	Description
1	R/W		
2	DS		Not used.
3	RD	0	Data reading signal output to IC702 (LCD controller)
4	WR	0	Data writing signal output to IC702 (LCD controller)
5	Vcc		Power supply terminal (+5 V)
6	MD0	I	Mode setting input (Fixed to "L".)
7	MD1	I	Mode setting input (Fixed to "H".)
8	MD2	I	Mode setting input (Fixed to "L".)
9	STBY	I	Hardware standby mode input
10	RES	I	Reset input
	NMI		Power interrupt detection input. When it is set to "L", P17 (pin 79) is set to after
11	NIMI	I	the backup processing.
12	Vss	_	GND
13~20	D0~D7	I/0	Data bus to IC702 (LCD contriler)
21	A0	0	IC702 (LCD controller) internal register select output
22~28	A1~A7	0	Address output. Not used.
29	Vss	_	GND
30~33	A8~A11	0	Address output. Not used.
34~37	A12~A15	0	Address output to generate IC702 (LCD controller) CS signal
38~41	P60~P63	0	BPF select for spectrum analyzer to IC604 and IC605 (multiplexer)
42	Vcc		Power supply terminal (+5 V)
43~50	P70~P77	0	Key and LED matrix output
51	AV _{ss}		Analog GND
52~58	P80~P86	I	Key matrix input
59	AN7	I	Spectrum analyzer data input (analog)
60	AVcc		Analog system power supply terminal (+5 V)
61	P90	<u> </u>	Not used.
62	P91		Not used.
63,64	P92,P93	0	LED matrix output
65	PW3	0	LCD contrast adjustment PWM output (Darker contrast when closer to 100%)
66	TXD	0	Serial communication output to IC501 (device control microcomputer)
67	RXD	I	Serial communication input to IC501 (device control microcomputer)
68	P97		Not used.
69	EXTAL	I	Clock input (12 MHz)
70	XTAL	0	Clock output
71	V _{ss}		GND
72	CK		Not used.
73	Е		Not used.
74	P12	0	Reset output to IC702 (LCD controller)
75~77	P13~P15	_	Not used.
78	ĪRQ1	I	LCD X driver latch pulse input
79	P17	0	Output (STBY (pin 9) is set to "L") to physically set the backup mode when
80	A5		the power is set to OFF. Not used.
	I -	L	

IC702 LCD controller (SED1330FBB)

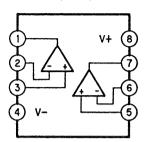
Character data transmitted from the panel microcomputer (IC701) are stored in the display memory (IC703), read out periodically, converted to LCD signal, and output.

Pin No.	Pin Name	I/0	Description
1~6	VA5~VA0	0	Address output to IC703 (display memory)
7	VR∕₩	0	Read/write signal output to IC703 (display memory)
8	VCE	0	Chip select output to IC703 (display memory)
9	REF NC	0	Test output. Not used.
10	RES	I	System reset input
11	SYNC NC	0	The desired Not and
12	CLO NC	0	Test output. Not used.
13	RD	I	Data read signal input from IC701 (panel microcomputer)
14	WR	I	Data write signal input form IC701 (panel microcomputer)
15	SEL2	I	Interface bus slect (Set always to GND.)
16	SEL1	I	Interface bus select (Set always to GND.)
17	XG	I	Clock input (10 MHz)
18	XD	0	Clock output
19	CS	I	Chip select input from the address decoder (IC704)
20	A0	I	Internal register select input
21	V _{DD}		Power supply terminal (+5 V)
22~29	D0~D7	I/0	Data bus to IC701 (panel microcomputer)
30~33	XD3~XD0	0	Data output to LCD X driver
34	XECL	0	Enable chain clock output to LCD X driver. Not used.
35	XSCL	0	Data shift clock output to LCD X driver
36	Vss		GND
37	LP	0	LCD X driver latch pulse output
38	WF	0	Frame signal output
39	YDIS	0	LCD display OFF output. Not used.
40	YD	0	Data output to LCD Y driver
41	YSCL	0	Data shift clock output to LCD Y driver. Not used.
42~49	VD7~VD0	I/0	Data bus to IC703 (display memory)
50~59	VA15~VA6	0	Address output (VA13 to VA15 are not used) to IC703 (display memory).
60	NC	-	

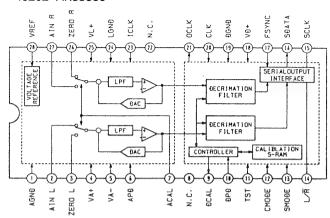


3-4. IC BROCK DIAGRAMS

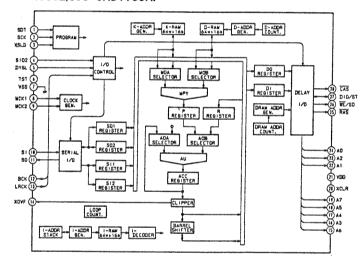
• IC201, 404, 705 M5218AP



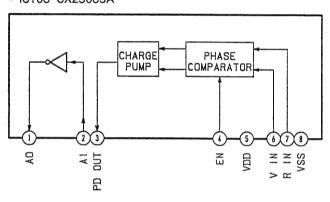
· IC202 AK53389



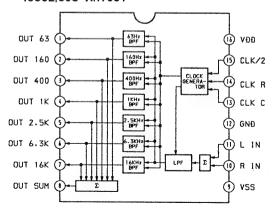
· IC302,303 CXD1160AP



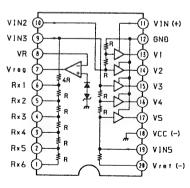
· IC108 CX23065A



· IC602,603 XR1091



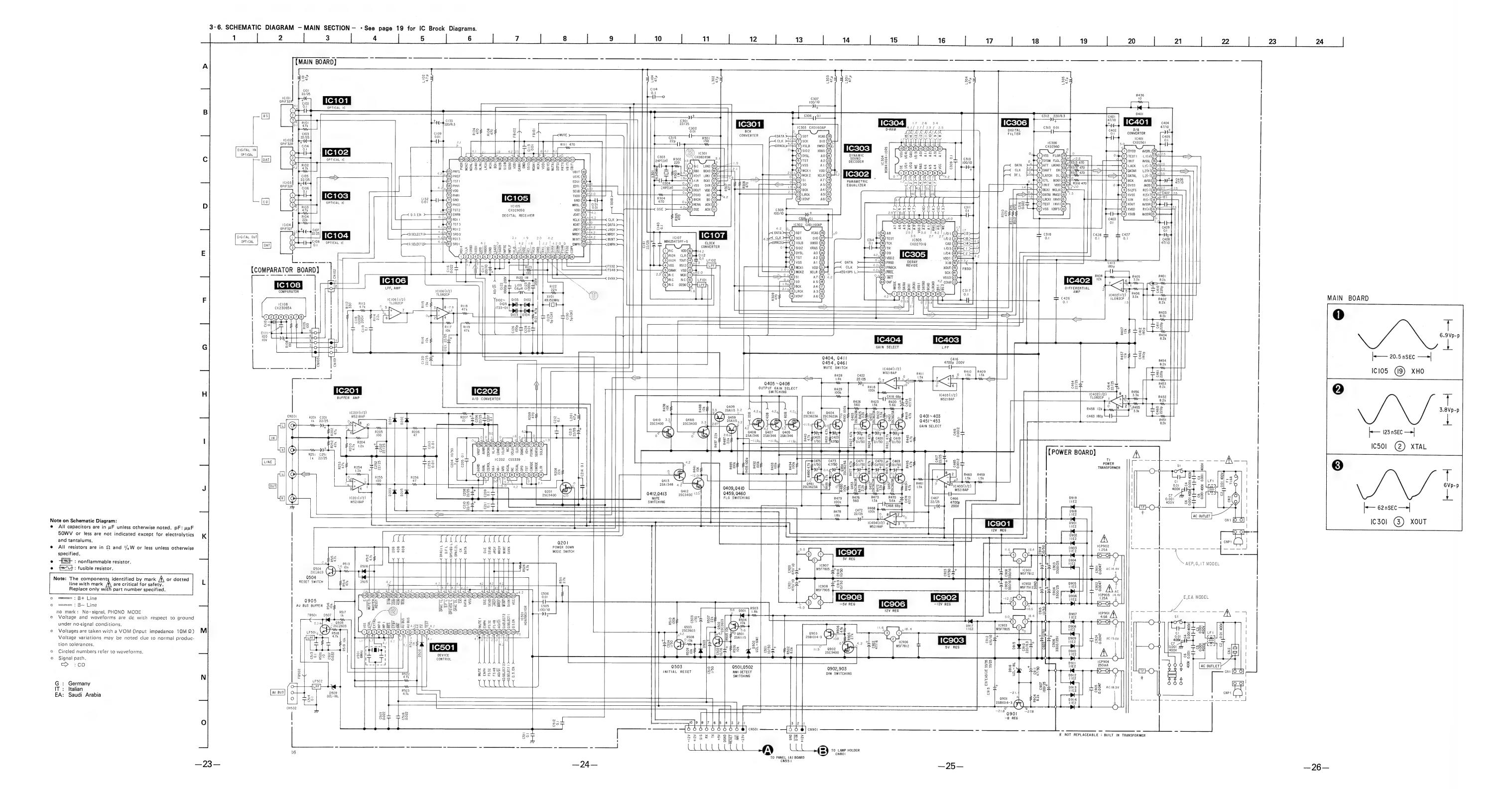
· IC706 LM5316M

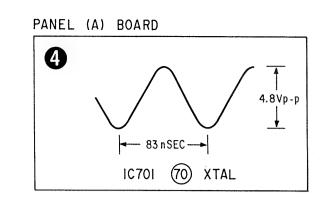


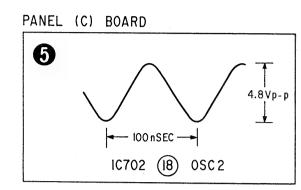
10 · Semiconductor Location Ref. No. Location Ref. No. Location [COMPARATOR BOARD] DIGITAL IN 2222666676666225367777788888333344333332222666676666225367777788888333344333332222 IC908 Q201 Q401 Q402 Q403 Q404 Q405 Q407 Q408 Q409 Q411 Q412 Q413 Q451 Q452 Q453 Q454 Q459 Q460 Q461 Q501 Q503 Q503 Q504 Q505 Q505 Q801 Q902 Q903 DIGITAL OUT OPTICAL OPTICAL IN L IN R OUT L OUT R MAIN BOARD DAT 9 1 9 9 1 9 DAT BS AU BUS F-9 F-9 D-8 R490 0-W-0 0+(C475 FB502 0454 7 7 3 04 Coc471 لعقفقا 0140 0140 0-11-0 0 0 0 LF102 1-640-173 C118 0-11-0 R113 0-W-0 D-99999955 C119 0-11-0 R114 0-WG-0 AC OUTLET 000 o-Wr-o R472 R1160-M-0 R124 O W O R108 O D C113 UNSWITCHED IOOW MAX VOLTAGE SELECTOR o±1€ 0 €470 0-W-0 R474 110 - 120V o-W-- 0 R256 o[‡]1(−0 C474 R419 0-W-0 o- €-o FB102 o----o o----o-FBI01 R421 0-W-0 0-WW-0 R471 I-6 J-6 F-16 I-11 I-7 C419 0-16-0 0-11-0 C21 o±1€-0 €469 C131 0-11-0 o±1€-o C210 E,EA,MODEL AEP, UK, G, IT % ? ? Q459 0-₩-0 R487 ₹ \$ Q460 49 0-W-0 R456 C4620-11-0 R4570-W-0 C4640-11-0 0-W-0 05 R406 0-11-0 C412 0-W-0 R407 0-11-0 C414 J-13 [LAMP HOLDER BOARD] C305 9+1(-0 ¢307 •⁴(←o [POWER BOARD] C4010 1 0 0 1+ 0-W-0 R401 -AEP.UK.G.IT 0-MA-0 R403 0-11-0 0411 o-WW-0 R404 0-W-0 R802 ₹ \$ \$ Q801 o±1€-0 0406 10303 E.E. 0-11-0 C407 O-W-O R454 O-H-O C461 O-W-O R453 O-W-O R452 O-H-O C460 O-W-O R451 IC101 IC102 IC103 IC104 IC105 IC106 IC107 IC108 IC201 IC302 IC303 IC304 IC305 IC306 IC401 IC403 IC403 IC401 IC403 IC401 IC901 IC901 IC902 IC906 IC907 -0 0-11-0° 0 0 0 3 2 T 88 4 10302 5918 57(5) 5918 1413 12 11 10 9 8 7 6 5 4 3 2 10304 3 2 1 0+160 \$ 6090 208 3 2 1 o+1€—o 1-640-173 H-6 H-7 1-9 o-W--- R507 Note on Mounting Diagram: • o : parts extracted from the component side. 0-W-0 R805 e : component side. 1-637-939 1-640-173 13 G: Germany IT: Italian ↑ TO PANEL BOARD ◆ EA: Saudi Arabia

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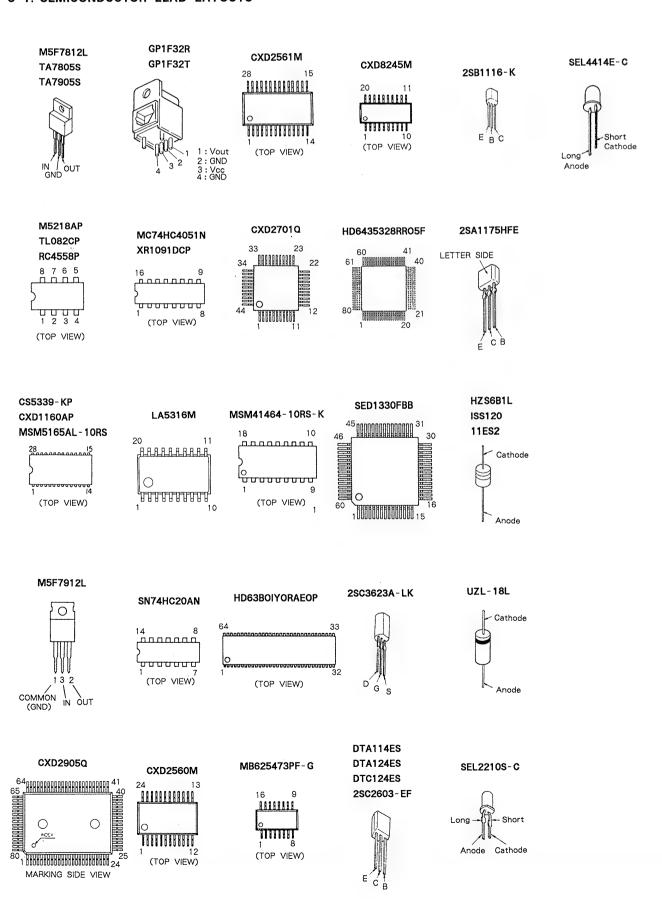
-22-

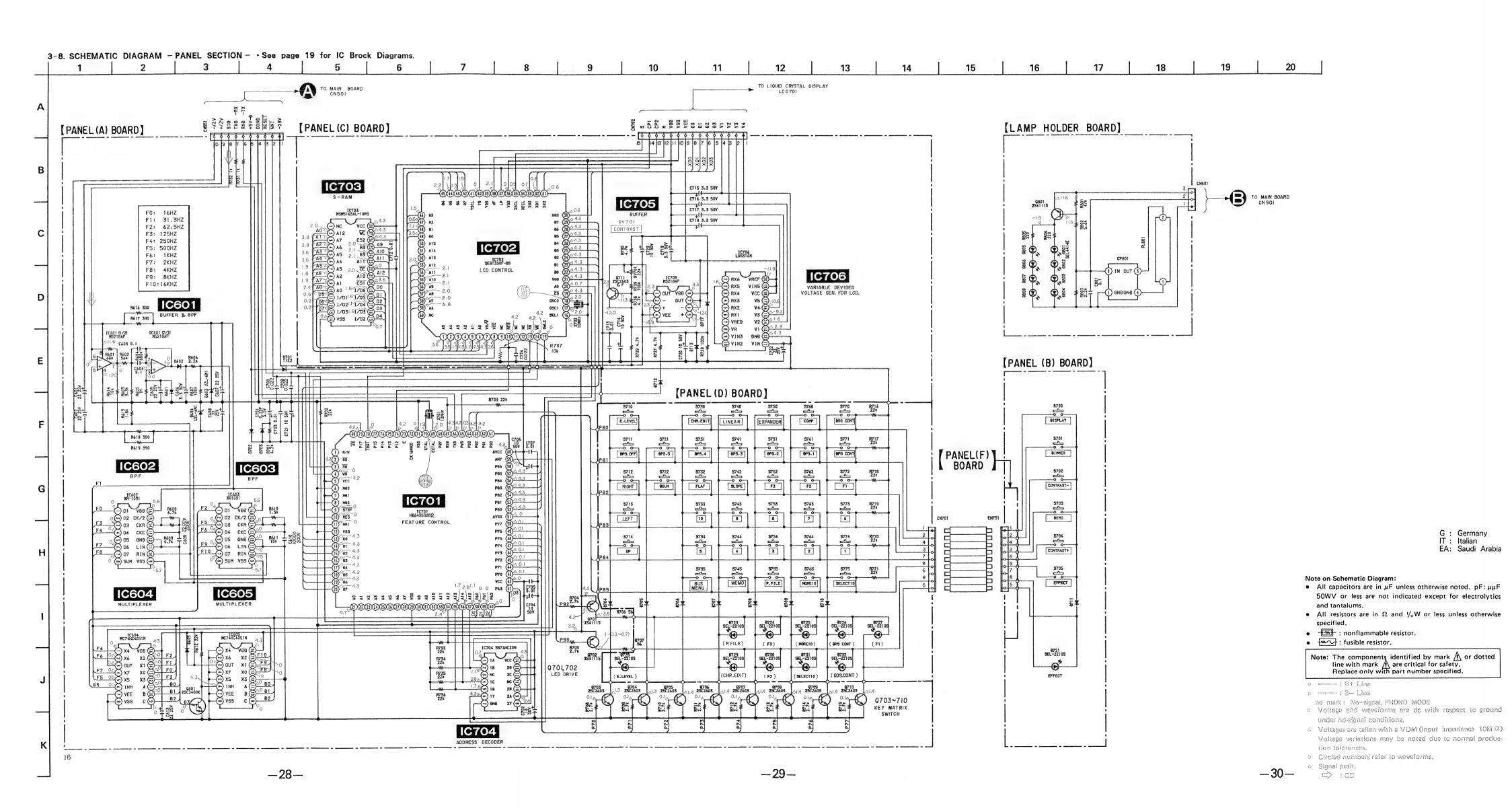




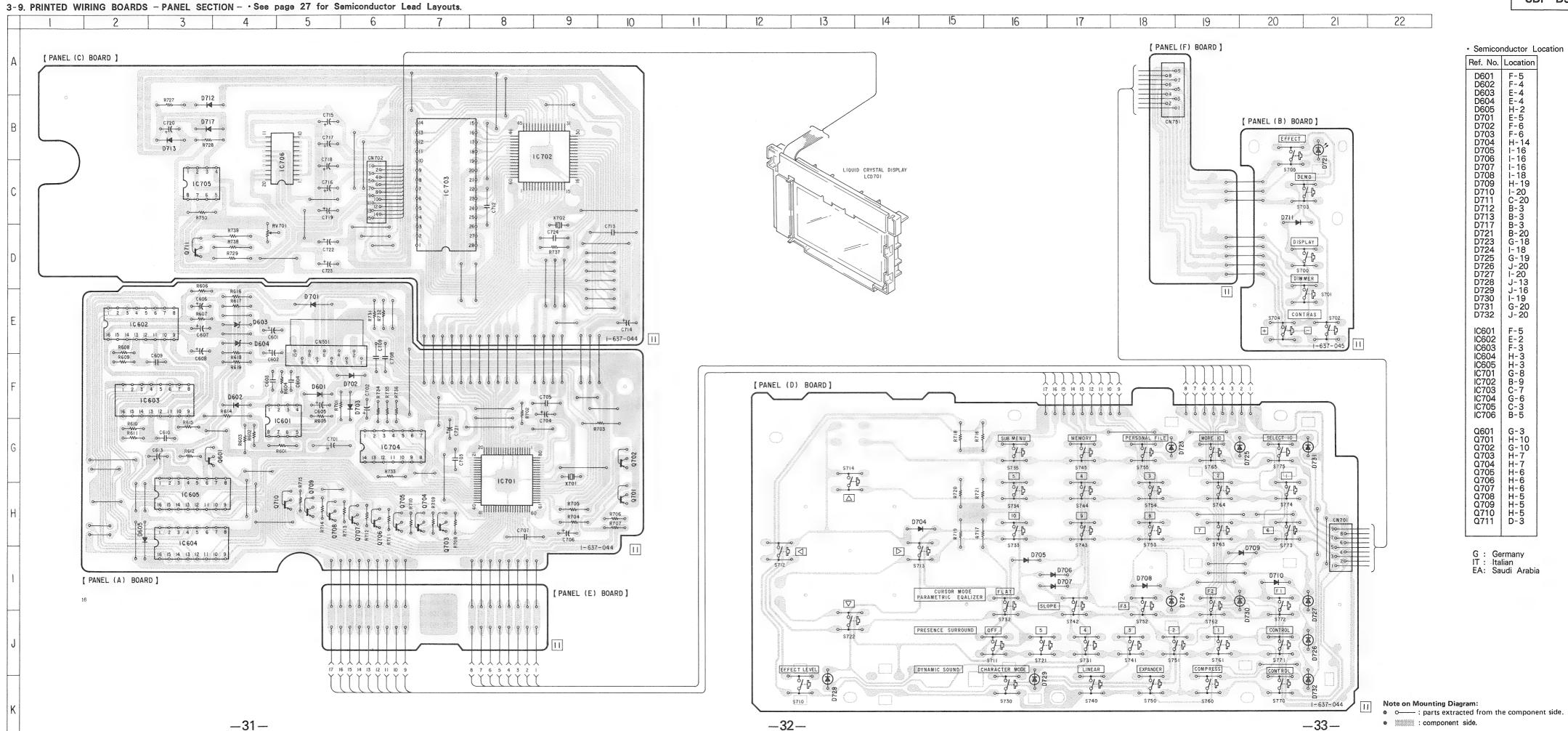


3-7. SEMICONDUCTOR LEAD LAYOUTS





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SECTION 4 EXPLODED VIEWS

NOTE:

- XX, X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts Example:

KNOB, BALANCE (WHITE)...(RED)

↑ ↑

Parts color Cabinet's color

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number

G : Germany IT : Italian EA : Saudi Arabia

specified.

OVERALL SECTION

■A: PANEL (F) BOARD ■B: PANEL (D) BOARD ■C: PANEL (C) BOARD ■D: PANEL (E) BOARD AEP, G, IT MODEL A : POWER BOARD ▲B : COMPARATOR BOARD 16 CNP1 18 15 not #2 supplied T101 supplied **№**__15 not supplied **28** (▲ A, ▲ B including) # 2 (A including) not supplied CNJ101 11 10 PL801 not supplied LCD701 not supplied UK MODEL CNP1 #2 ■D 32 CNJ101 E3 MODEL 35 [∄]CNP1 not 23 supplied _CNJ101 В EA3 MODEL

Ref.	No. Part No.	<u>Description</u> <u>F</u>	Remarks	Ref. N	o. Part No.	Description	Remarks
1	4-941-523-11	WINDOW		26	* A-4345-233-A	MAIN BOARD, COMPLETE (AEP, Italian)	
2	X-4941-442-1	PANEL ASSY, FRONT				MAIN BOARD, COMPLETE (Germany)	
3	* 4-941-534-01	HOLDER (1), LED				MAIN BOARD, COMPLETE (UK)	
4	* 1-637-045-11	PANEL B BOARD	İ		* A-4345-236-A	MAIN BOARD, COMPLETE (E, Saudi Arabia)	
5	1-575-216-11	WIRE, FLAT TYPE (9 CORE)	ł	27	* 4-924-098-91	HOLDER, PC BOARD	
6	4-921-919-01	BUTTON (P)		28	* 4-924-520-31	CHASSIS	
. 7		JOINT (B), KNOB		29	4-934-884-01	F00T	
8.	4-928-635-01	SCREW, +BV (2.6X8) TAPPING		30	4-812-134-00	RIVET NYLON, 3.5	
9	* 4-941-531-01	CUSHION		31	* 4-941-543-01	ILLUMINATOR (4)	
10	* 4-941-530-01	CUSHION		32	* A-4345-232-A	PANEL (A) BOARD, COMPLETE	
11	* 4-941-527-01			33		HOLDER (3), LED	
12	* 4-942-169-01			34	* 4-941-535-01	HOLDER (2-1), LED	
13	* 4-942-783-01			35	* 4-941-541-01	HOLDER (2-2), LED	
14		LAMP HOLDER BOARD					
15	3-704-366-01	SCREW (CASE) (M3X8)		CNJ101		OUTLET, AC (UK)	
40	4 040 077 04	4.05			<u> </u>	OUTLET, AC (AEP, Germany, Italian,	
16	4-919-377-01					Saudi Arabia)	
17		SCREW (4X8), +PWHTT			<u></u> 1-526-882-00	OUTLET, AC (E)	
18		WASHER (SQUARE)					
19	* 3-309-144-21			CNP1		CORD, POWER (AEP, Germany, Italian)	
20	* 4-945-761-01	SHEET (INSULATING)	ĺ			CORD, POWER (Saudi Arabia)	
.04	0.044.044.000	AUGULAU				CORD, POWER (E)	
21	9-911-841-XX	'				CORD, POWER (UK)	
22	* 1-533-213-31	•		F101	<u>↑</u> 1-532-259-00	FUSE, TIME-LAG (AEP, UK, Germany, Italian)	
23	* 3-703-244-00	BUSHING (2104), CORD (AEP, UK, Germany,				(1. 6A))
	+ 0 700 F74 44	Italian, Saudi Arabia)			1		
	* 3-703-571-11	BUSHING (S) (4516), CORD (E)	1	LCD701		DISPLAY PANEL, LIQUID CRYSTAL	
24	+ 0 070 014 04	Hook	ļ.	PL801		GAS DISCHARGE TUBE, FLUORESCENT	
24	* 2-379-614-01					SWITCH, VOLTAGE CHANGE (E, Saudi Arabia)	
25		PANEL, BACK (AEP, Germany, Italian)				TRANSFORMER, POWER (AEP, Germany, Italian	1)
		PANEL, BACK (UK)				TRANSFORMER, POWER (UK)	
	* 4-943-823-31				1-450-598-11	TRANSFORMER, POWER (E, Saudi Arabia)	
	¥ 4-943-823-51	PANEL, BACK (Saudi Arabia)	İ				

SECTION 5 ELECTRICAL PARTS LIST

NOTE:

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be defferent from the parts specified in the diagrams or the components used on the set.
- XX, X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
 All resistors are in ohms.
 METAL: metal-film resistor

METAL OXIDE: Metal Oxide-film resistor F: nonflammable

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
 In each case, u: μ, for example: uA...: μA..., uPA..., μPA..., uPB..., μPB..., μPC..., μPC..., μPD...
- CAPACITORS:
 uF: μF
 COILS
 uH: μH

									uH: ı	ıΗ			
Ref.	No. Part No.	Descrip	<u>tion</u>		<u> </u>	Remarks	Ref. No.	Part No.	Descri	otion			Remarks
	* A-4345-234-A	MAIN BOARD,	COMPLETE (G	iermany)			C120	1-126-049-11	ELECT	22uF	20%	25V	
		********	********	*****	:		C121	1-126-049-11	ELECT	22uF	20%	25V	
	* A-4345-233-A	MAIN BOARD,	COMPLETE (A	EP, Ital	ian)		C122	1-106-343-00	MYLAR	1000PF	5%	200V	
		*******	********	*****	******		C123	1-106-343-00	MYLAR	1000PF	5%	200V	
	* A-4345-235-A	MAIN BOARD,	COMPLETE (U	IK)			C126	1-164-070-11	CERAMIC	100PF	5%	50V	
		*******	******	**									
	* A-4345-236-A	MAIN BOARD,	COMPLETE (E	, Saudi	Arabia)		C128	1-136-153-00	FILM	0. 01uF	5%	50V	
		*******	********	*****	*****		C129	1-164-014-11	CERAMIC	5PF	0. 25PF	50V	
							C130	1-164-014-11	CERAMIC	5PF	0. 25PF	50V	
	* 1-533-213-31	HOLDER, FUSI	E (AEP, UK, Ge	rmany, l	talian)		C131	1-136-153-00	FILM	0. 01 uF	5%	50V	
	* 3-309-144-21	HEAT SINK					C132	1-136-153-00	FILM	0. 01uF	5%	50V	
	7-685-646-79	SCREW +BVTP	3X8 TYPE2	N-S									
							C133	1-124-587-11	ELECT	220uF	20%	6. 3V	
		CAPACITOR	>				C140	1-136-165-00	FILM	0. 1uF	5%	50V	
							C141	1-126-049-11	ELECT	22uF	20%	25V	
C1	1-161-744-00	CERAMIC	0. 01uF		400V		C142	1-164-159-11	CERAMIC	0. 1uF		50V	
C2	 1-161-744-00	CERAMIC	0. 01uF		400V		C143	1-136-165-00	FILM	0. 1uF	5%	50V	
C3	<u> </u>	CERAMIC	0. 001uF	10%	400V								
C4	<u> </u>	CERAMIC	0. 001uF	10%	400V		C201	1-126-049-11	ELECT	22uF	20%	25V	
C5	<u> </u>	CERAMIC	0. 001uF	10%	400V		C202	1-126-049-11	ELECT	22uF	20%	25V	
							C203	1-136-153-00	FILM	0. 01uF	5%	50V	
C6	1-161-741-00		0. 001uF	10%	400V	:	C204	1-126-059-11	ELECT	10uF	20%	50V	
C7	<u> </u>	CERAMIC	0. 001uF	10%	400V		C205	1-164-159-11	CERAMIC	0. 1uF		507	
C101	1-126-049-11		22uF	20%	25V								
C102	1-164-159-11	CERAMIC	0. 1uF		50V		C206	1-126-049-11	ELECT	22uF	20%	25V	
C103	1-126-049-11	ELECT	22uF	20%	25V		C207	1-164-159-11	CERAMIC	0. 1uF		50V	
							C208	1-126-049-11	ELECT	22uF	20%	25V	
C104	1-164-159-11	CERAMIC	0. 1uF		50V		C209	1-164-159-11	CERAMIC	0. 1uF		50V	
C105	1-126-049-11	ELECT	22uF	20%	25V		C210	1-126-049-11	ELECT	22uF	20%	25V	
C106	1-164-159-11	-	0. 1uF		50V								
C107	1-126-049-11	ELECT	22uF	20%	25V		C211	1-164-159-11	CERAMIC	0. 1uF		507	
C108	1-164-159-11	CERAMIC	0. 1uF		50V		C212	1-164-159-11	CERAMIC	0. 1uF		507	
							C213	1-126-049-11	ELECT	22uF	20%	25V	
C109	1-136-153-00	FILM	0. 01uF	5%	50V		C214	1-164-159-11	CERAMIC	0. 1uF		507	
C110	1-136-165-00	FILM	0. 1uF	5%	50V		C251	1-126-049-11	ELECT	22uF	20%	25V	
C111	1-124-443-00		100uF	20%	10V	1							
C112	1-164-159-11		0. 1uF		50V	İ		1-126-049-11	ELECT	22uF	20%	257	
C113	1-136-153-00	FILM	0. 01uF	5%	50V			1-136-153-00	FILM	0. 01uF	5%	507	
								1-126-049-11	ELECT	22uF	20%	25V	
C114	1-164-159-11		0. 1uF		50V		C302	1-136-153-00	FILM	0. 01 uF	5%	507	
C116	1-161-494-00		0. 022uF		25V		C303	1-102-960-00	CERAMIC	24PF	5%	507	
C117	1-124-443-00		100uF	20%	10V								
C118	1-164-079-11		330PF	10%	50V								
C119	1-136-165-00	FILM	0. 1uF	5%	50V								

Ref. No	o. Part No.	<u>Descri</u>	ption			Remarks	Ref. No.	Part No.	<u>Descri</u>	ption			Remarks
C304	1-102-960-00	CERAMIC	24PF	5%	50V		C460	1-164-077-11	CERAMIC	220PF	10%	50V	
C305	1-124-443-00		100uF	20%	10V		C461	1-164-077-11	CERAMIC	220PF	10%	50V	
C306	1-164-159-11		0. 1uF		50V		C462	1-164-076-11	CERAMIC	180PF	10%	50V	
C307	1-124-443-00	ELECT	100uF	20%	10V		C463	1-164-076-11		180PF	10%	50V	
C308	1-164-159-11		0. 1uF		50V		C464	1-126-049-11		22uF	20%	25V	
C309	1-164-159-11	CERAMIC	0. 1uF		50V		C465	1-130-472-00	MYLAR	0. 0012uF	5%	50V	
C310	1-124-443-00	ELECT	100uF	20%	10V		C466	1-106-359-00	MYLAR	4700PF	5%	200V	
C311	1-164-159-11	CERAMIC	0. 1uF		50V		C467	1-126-049-11	ELECT	22uF	20%	25V	
C312	1-124-587-11	ELECT	220uF	20%	6. 3V		C468	1-164-066-11	CERAMIC	68PF	5%	507	
C313	1-136-153-00	FILM	0. 01 uF	5%	50V		C469	1-124-463-00	ELECT	0. 1uF	20%	50V	
C314	1-136-165-00	FILM	0. 1uF	5%	50V		C470	1-124-463-00	ELECT	0. 1uF	20%	50V	
C315	1-164-027-11	CERAMIC	22PF	5%	50V		C471	1-124-463-00	ELECT	0. 1uF	20%	50V	
C316	1-161-494-00	CERAMIC	0. 022uF		25V		C472	1-126-049-11	ELECT	22uF	20%	25V	
C317	1-164-159-11	CERAMIC	0. 1uF		50V		C473	1-126-163-11	ELECT	4. 7uF	20%	50V	
C318	1-164-159-11	CERAMIC	0. 1uF		50V		C474	1-126-022-11	ELECT	47uF	20%	107	
C401	1-126-022-11	ELECT	47uF	20%	10V		C475	1-126-301-11	ELECT	1uF	20%	50V	
C402	1-164-159-11	CERAMIC	0. 1uF		50V		C501	1-126-059-11	ELECT	10uF	20%	50V	
C403	1-164-159-11	CERAMIC	0. 1uF		50V		C502	1-126-157-11	ELECT	10uF	20%	16V	
C404	1-126-022-11	ELECT	47uF	20%	10V		C503	1-126-301-11	ELECT	1uF	20%	50V	
C405	1-136-165-00	FILM	0. 1uF	5%	50V	:	C504	1-126-301-11	ELECT	1uF	20%	50V	
C406	1-126-022-11	ELECT	47uF	20%	10V		C505	1-126-177-11	ELECT	100uF	20%	107	
C407	1-136-165-00	FILM	0. 1uF	5%	50V		C506	1-161-379-00	CERAMIC	0. 01 uF	20%	25V	
C408	1-126-022-11	ELECT	47uF	20%	10V		C507	1-161-494-00	CERAMIC	0. 022uF		25V	
C409	1-164-159-11	CERAMIC	0. 1uF		50V		C508	1-161-494-00	CERAMIC	0. 022uF		25V	
C410	1-164-077-11	CERAMIC	220PF	10%	50V		C509	1-161-494-00	CERAMIC	0. 022uF		25V	
C411	1_164_07711	CERAMIC	22000	1.0%	EOV		0510	1_126_201_11	EI EAT	15	200/	EAV	
C411 C412	1-164-077-11 1-164-076-11		220PF	10%	50V		C510	1-126-301-11	ELECT	1uF	20%	50V	
			180PF	10%	50V		C511	1-164-159-11		0. 1uF		50V	
C413	1-164-076-11		180PF	10%	50V		C512	1-164-159-11		0. 1uF		50V	
C414	1-126-049-11		22uF	20%	25V		C513	1-164-159-11		0. 1uF		50V	
C415	1-130-472-00	MYLAR	0. 0012uF	5%	50V		C514	1-164-159-11	CERAMIC	0. 1uF		50V	
C416	1-106-359-00	MYLAR	4700PF	5%	200V		C901	1-161-377-00	CERAMIC	0. 0047uF	20%	50V	
C417	1-126-049-11	ELECT	22uF	20%	25V		C902	1-161-377-00	CERAMIC	0. 0047uF	20%	50V	
C418	1-164-066-11	CERAMIC	68PF	5%	50V		C903	1-126-029-11		3300uF	20%	25V	
C419	1-124-463-00		0. 1uF	20%	50V		C904	1-126-029-11		3300uF	20%	25V	
C420	1-124-463-00	ELECT	0. 1uF	20%	50V		C905	1-161-377-00		0. 0047uF	20%	50V	
C421	1-124-463-00	ELECT	0. 1uF	20%	50V		C906	1-126-029-11	ELECT	3300uF	20%	25V	
C422	1-126-049-11	ELECT	22uF	20%	25V		C907	1-124-478-11	ELECT	100uF	20%	25V	
C423	1-126-163-11	ELECT	4. 7uF	20%	50V		C908	1-126-025-11	ELECT	330uF	20%	16V	
C424	1-126-022-11	ELECT	47uF	20%	10V		C909	1-126-025-11	ELECT	330uF	20%	167	
C425	1-126-301-11	ELECT	1uF	20%	50V		C910	1-124-587-11	ELECT	220uF	20%	6. 3V	
C426	1-164-159-11		0. 1uF		50V		C911	1-124-910-11		47uF	20%	50V	
C427	1-164-159-11		0. 1uF		50V		C912	1-124-472-11		470uF	20%	107	
C428	1-164-159-11		0. 1uF		50V		C913	1-124-482-11	ELECT	33uF	20%	35V	
C429	1-164-159-11		0. 1uF		50V		***		E1 mar:	(E, Saudi			
C430	1-164-159-11	CERAMIC	0. 1uF		50V		C913	1-124-242-00	ELECT	33uF	20%	257	
										(AEP, UK, G	ermany,	italian))

Ref. 1	No. Part No.	Descr	<u>iption</u>			Remarks	Ref. No.	Part No.	<u>D</u>	escription	Remarks
C914	1-126-059-11	ELECT	10uF	20%	50V		D508	8-719-912-20	DIODE	1SS120	
C915	1-126-059-11		10uF	20%	50V		D509	8-719-000-75			
C918	1-126-059-11		10uF	20%	50V		D901	8-719-200-82			
C919	1-126-059-11		10uF	20%	50V		D902	8-719-200-82		11ES2	
00.0	20 000			2070	•••		D903	8-719-200-82			
C920	1-124-472-11	FLECT	470uF	20%	107		D303	0 713 200 02	DIVUL	TILOE	
C921	1-124-472-11		470uF	20%	107		D904	8-719-200-82	DIADE	11ES2	
C922	1-126-022-11		47uF	20%	167		D905	8-719-200-82		11ES2	
C923	1-124-910-11		47uF	20%	50V		D906	8-719-200-82		11ES2	
C924	1-161-377-00		0. 0047uF	20%	50V		D907	8-719-200-82		11ES2	
		02.040.0	0.00	20/0	001		D908	8-719-200-82			
C925	1-126-059-11	FI FCT	10uF	20%	50V		D300	0 710 200 02	DIODE	11202	
0020	. 120 000 11	LLLVI	1041	2070	501		D909	8-719-200-82	DIODE	11ES2	
		< CONNECTO	OR >				D910	8-719-200-82		11ES2	
		(0011112011	··· ,				D911	8-719-200-82		11ES2	
BP1	1-535-139-00	BASE POST	22MM (10MM PI	TCH) 2P	(AFP. UK		D912	8-719-200-82		11ES2	
		57.52 . 001			. Italian		D913	8-719-200-82			
	* 1-535-141-00	RASE POST			•	,	D313	0 713 200 02	DIOUL	11602	
	7 1 000 141 00	DAGE 1 001	ZZMM (TOMM TT		i Arabia	١	D914	8-719-200-82	DIODE	11ES2	
BP2	* 1-560-595-00	TERMINAL	WITH BASELIE			,	D915	8-719-912-20		1SS120	
DI Z	+ 1 300 333 00	ILIMITAL	(WITH DAGE) (E,	Sauui A	TakD1a/		D916	8-719-002-06			
BP3	* 1-560-595-00	TERMINAL	/WITH RASEL/E	Saudi A	rabial		D917			11ES2	
CN1	* 1-564-321-00			Sauui A	I ab I a /		D917	8-719-200-82			
	* 1-564-506-11						D310	8-719-200-82	DIODE	11ES2	
							0010	0 710 000 00	DIADE	11500	
	* 1-564-505-11						D919	8-719-200-82	DIODE	11E52	
CNIUS	* 1-564-508-11	PLUG, CON	VECTOR SP						/ 550	NITE BEAD \	
CN201	1 579 590 11	HOV DIN	40 (1105)						(FER	RITE BEAD >	
CN201	1-573-520-11						FD101	1 110 000 11	rrnn.	TE DELD INDUSTAD	
CN501	1-569-406-11	•		uo\			FB101			TE BEAD INDUCTOR	
	* 1-565-561-11			US)			FB102			TE BEAD INDUCTOR	
CN901	* 1-564-506-11	PLUG, CON	NECTOR 3P				FB301			TE BEAD INDUCTOR	
		/ DIADE \					FB501			TE BEAD INDUCTOR	
		〈 DIODE 〉					FB502	1-410-397-21	FEKKI	TE BEAD INDUCTOR	
D102	0 712 200 00.	DIADE 13	raaa a4						/ 10 ·		
D102	8-713-300-88		[33C-01						(IC)		
D103	8-713-300-88		[33C-01				10101	0 740 001 11		PD4 F 20D (I II / DO)	
D104 D105	8-713-300-88 8-713-300-88		[33C-01				IC101			GP1F32R (IN/BS)	
D201			SS120				IC102	8-749-921-11		GP1F32R (IN/DAT)	
DZUI	8-719-912-20	DIODE 1	33120				10103	8-749-921-11		SP1F32R (IN/CD)	
D202	8-719-912-20	DIADE 19	SS120				IC104	8-749-921-12		GP1F32T (OUT/DAT) CXD29050	
D202	8-719-912-20		SS120				IC105	8-759-512-96	16 1	7YDZ 90 9U	
							10100	0.750.000.00	10 -	TI 0000D	
D205	8-719-912-20		SS120 SS120				IC106	8-759-990-82		L082CP	
D401	8-719-912-20						10107	8-759-517-14		MB625473PF-G	
D501	8-719-912-20	טוטטב וכ	SS120				IC108	8-752-306-51		X23065A	
D502	8_710_022 20	חוחתב יי	79691I				10201	8-759-634-51		15218AP	
D502	8-719-933-36 8-719-912-20		2S6B1L 2S120				10202	8-759-504-36	16 (S5339-KP	
D505			SS120 SS120				10201	0_750 514 00	10	V0004EI4	
	8-719-912-20		SS120				IC301	8-759-511-68		CXD8245M	
D506	8-719-912-20		SS120			Ì	10302	8-752-331-87		CXD1160AP	
D507	8-719-912-20	DIODE 18	SS120				10303	8-752-331-87		XD1160AP	
						İ	1C304	8-759-973-04		ISM41464-10RS-K	
							1C305	8-752-341-99	IU (CXD27010	

Ref. No	o. Part No.	Description	1	Remarks .	Ref. No.	Part No.	Description	1			Remarks
			ia.		Q410	8-729-900-36		- DTC124	EG		
1C306 1C401	8-752-342-65 8-752-343-01				Q411	8-729-141-30		2SC362			
10401	8-759-990-82				Q411 Q412	8-729-900-36		DTC124			
10402	8-759-634-51				Q412	8-729-900-61		DTA114			
1C404	8-759-634-51				Q451	8-729-141-30		2SC362			
10404	0 733 034 31	TO MOZIONI			4431	0 723 141 30	maioron	200002	JA LI		
I C501	8-759-323-77	IC HD63B01Y0	RAE0P		Q452	8-729-141-30	TRANSISTOR	2SC362	3A-LK		
IC901	8-759-604-33	IC M5F7812L			0453	8-729-141-30	TRANSISTOR	2SC362	3A-LK		
IC902	8-759-604-51	IC M5F7912L			Q454	8-729-141-30	TRANSISTOR	2SC362	3A-LK		
IC903	8-759-231-53	IC TA7805S			0459	8-729-119-76	TRANSISTOR	2SA117	5-HFE		
IC906	8-759-604-33	IC M5F7812L			0460	8-729-900-36	TRANSISTOR	DTC124	ES		
10907	8-759-231-53	IC TA7805S			0461	8-729-141-30	TRANSISTOR	2SC362	3A-LK		
1C908	8-759-245-79	IC TA7905S			Q501	8-729-119-76	TRANSISTOR	2SA117	5-HFE		
ICP901	1-532-845-41	IC, LINK			0502	8-729-620-05	TRANSISTOR	2SC260	3-EF		
ICP902	1-532-840-41	IC, LINK			Q503	8-729-620-05	TRANSISTOR	2SC260	3-EF		
ICP903	 1-532-840-41	IC, LINK			Q504	8-729-620-05	TRANSISTOR	2SC260	3-EF		
1CP904	1-532-833-41	IC, LINK			0505	8-729-620-05	TRANSISTOR	2SC260	3-EF		
					0901	8-729-118-01	TRANSISTOR	2SB111	6-K		
		(COIL)			Q902	8-729-900-36	TRANSISTOR	DTC124	ES		
					Q903	8-729-118-01	TRANSISTOR	2SB111	6-K		
L101	1-410-517-11	INDUCTOR	47uH								
L102	1-410-324-11	INDUCTOR	4. 7uH				〈 RESISTOR 〉				
L103	1-406-416-11										
L104	1-410-517-11	INDUCTOR	47uH		R101	1-249-425-11		4. 7K	5%	1/4W	
L201	1-410-517-11	INDUCTOR	47uH		R102	1-249-425-11		4. 7K	5%	1/4W	
					R103	1-249-425-11		4. 7K	5%	1/4W	
L301	1-410-517-11	INDUCTOR	47uH		R104	1-249-433-11			5%	1/4W	
L302	1-410-517-11	INDUCTOR	47uH		R105	1-249-405-11	CARBON	100	5%	1/4¥	
L303	1-410-517-11	INDUCTOR	47uH								
L304	1-410-517-11	INDUCTOR	47uH		R106	1-249-405-11			5%	1/4W	
L305	1-410-324-11	INDUCTOR	4. 7uH		R108	1-249-413-11			5%	1/4₩	
		(EU TED)			R111	1-249-413-11			5%	1/4₩	
		〈 FILTER 〉			R112	1-249-411-11			5%	1/4W	
LF1	1_424_117_11	FILTER, LINE			R113	1-249-425-11	CARBON	4. 7K	5%	1/4W	
LF101		FILTER, NOISE			R114	1-249-421-11	CARBON	2. 2K	5%	1/4W	
LF102		FILTER, NOISE			R115	1-249-431-11			5%	1/4W	
LF501		FILTER, NOISE			R116	1-249-429-11			5%	1/4W	
LF502		FILTER, NOISE			R117	1-249-429-11			5%	1/4W	
•••		, , , , , , , , , , , , , , , , , , , ,			R118	1-249-437-11			5%	1/4₩	
		(TRANSISTOR)								,	
					R119	1-249-437-11	CARBON	47K	5%	1/4W	
0201	8-729-900-36	TRANSISTOR	DTC124ES		R120	1-247-903-00	CARBON	1 M	5%	1/4W	
Q401	8-729-141-30	TRANSISTOR	2SC3623A-LK		R121	1-249-437-11	CARBON	47K	5%	1/4W	
Q402	8-729-141-30	TRANSISTOR	2SC3623A-LK		R122	1-249-433-11	CARBON	22K	5%	1/4W	
0403	8-729-141-30	TRANSISTOR	2SC3623A-LK		R123	1-249-413-11	CARBON	470	5%	1/4W	
Q404	8-729-141-30	TRANSISTOR	2SC3623A-LK								
					R124	1-249-413-11	CARBON	470	5%	1/4₩	
Q405	8-729-900-63	TRANSISTOR	DTA124ES		R201	1-249-417-11	CARBON	1K	5%	1/4W	
Q407	8-729-900-63	TRANSISTOR	DTA124ES		R202	1-249-437-11	CARBON	47K	5%	1/4W	
Q408	8-729-900-63	TRANSISTOR	DTA124ES		R203	1-249-425-11	CARBON	4. 7K	5%	1/4₩	
0409	8-729-119-76	TRANSISTOR	2SA1175-HFE		R204	1-249-418-11	CARBON	1. 2K	5%	1/4W	

Note: The components identified by mark \bigwedge or dotted line with mark \bigwedge are critical for safety. Replace only with part number specified.

Ref. No	o. <u>Part No.</u>	<u>Desc</u>	<u>ription</u>			<u>Remarks</u>	Ref. No.	Part No.	<u>Desci</u>	ription			<u>Remarks</u>
R205	1-249-405-11	CARBON	100	5%	1/4W		R426	1-249-414-11	CARBON	560	5%	1/4W	
R206	1-249-401-11	CARBON	47	5%	1/4₩		R427	1-249-425-11	CARBON	4. 7K	5%	1/4W	
R207	1-249-393-11	CARBON	10	5%	1/4W		R428	1-249-420-11	CARBON	1. 8K	5%	1/4W	
R208	1-249-433-11	CARBON	22K	5%	1/4W		R429	1-249-441-11	CARBON	100K	5%	1/4W	
R209	1-249-413-11	CARBON	470	5%	1/4W		R430	1-249-441-11	CARBON	100K	5%	1/4W	
R251	1-249-417-11	CARBON	1K	5%	1/4₩		R431	1-249-425-11	CARBON	4. 7K	5%	1/4W	
R252	1-249-437-11	CARBON	47K	5%	1/4W		R432	1-249-441-11	CARBON	100K	5%	1/4W	
R253	1-249-425-11	CARBON	4. 7K	5%	1/4W		R433	1-249-441-11	CARBON	100K	5%	1/4₩	
R254	1-249-418-11	CARBON	1. 2K	5%	1/4W		R434	1-249-441-11	CARBON	100K	5%	1/4W	
R255	1-249-405-11	CARBON	100	5%	1/4W		R435	1-249-441-11	CARBON	100K	5%	1/4W	
R256	1-249-401-11	CARBON	47	5%	1/4W		R436	1-249-393-11	CARBON	10	5%	1/4₩	
R301	1-249-407-11	CARBON	150	5%	1/4W		R437	1-249-433-11	CARBON	22K	5%	1/4W	
R302	1-249-409-11	CARBON	220	5%	1/4W		R438	1-249-429-11	CARBON	10K	5%	1/4₩	
R303	1-247-903-00	CARBON	1M	5%	1/4W		R440	1-249-425-11	CARBON	4. 7K	5%	1/4₩	
R304	1-249-413-11	CARBON	470	5%	1/4W		R441	1-249-429-11	CARBON	10K	5%	1/4₩	
R305	1-249-413-11	CARBON	470	5%	1/4W		R445	1-249-425-11	CARBON	4. 7K	5%	1/4W	
R307	1-249-413-11		470	5%	1/4W		R451	1-249-428-11		8. 2K		1/4W	
R308	1-249-413-11		470	5%	1/4W		R452	1-249-428-11		8. 2K		1/4W	
R309	1-249-413-11		470	5%	1/4W		R453	1-249-428-11		8. 2K		1/4W	
R310	1-249-413-11		470	5%	1/4W		R454	1-249-428-11		8. 2K		1/4W	
					•, ••							.,	
R311	1-249-413-11	CARBON	470	5%	1/4W		R455	1-249-423-11	CARBON	3. 3K	5%	1/4W	
R312	1-249-413-11		470	5%	1/4W		R456	1-249-423-11	CARBON	3. 3K		1/4W	
R313	1-249-413-11		470	5%	1/4W		R457	1-249-430-11	CARBON	12K	5%	1/4W	
R314	1-249-413-11		470	5%	1/4W		R458	1-249-430-11		12K	5%	1/4₩	
R315	1-249-413-11	CARBON	470	5%	1/4W		R459	1-249-419-11	CARBON	1. 5K	5%	1/4W	
2010	4 040 440 44	0.177011	.70				B. 400		0.100011	4 514		4 / 4 1111	
R316	1-249-413-11		470	5%	1/4W		R460	1-249-419-11		1. 5K		1/4W	
R401	1-249-428-11		8. 2K		1/4W		R461	1-249-419-11		1. 5K		1/4₩	
R402	1-249-428-11		8. 2K		1/4W		R468	1-249-441-11		100K		1/4₩	
R403	1-249-428-11		8. 2K		1/4₩		R469	1-249-425-11		4. 7K		1/4₩	
R404	1-249-428-11	CARBON	8. 2K	5%	1/4W		R470	1-249-426-11	CARBUN	5. 6K	5%	1/4W	
R405	1-249-423-11	CARBON	3. 3K	5%	1/4W		R471	1-249-425-11	CARBON	4. 7K	5%	1/4W	
R406	1-249-423-11	CARBON	3. 3K	5%	1/4W		R472	1-249-423-11	CARBON	3. 3K	5%	1/4W	
R407	1-249-430-11	CARBON	12K	5%	1/4W		R473	1-249-419-11	CARBON	1. 5K	5%	1/4W	
R408	1-249-430-11	CARBON	12K	5%	1/4W		R474	1-249-425-11	CARBON	4. 7K	5%	1/4W	
R409	1-249-419-11	CARBON	1. 5K	5%	1/4W		R475	1-249-421-11	CARBON	2. 2K	5%	1/4W	
R410	1-249-419-11	CARBON	1. 5K	5%	1/4W		R476	1-249-414-11	CARBON	560	5%	1/4W	
R411	1-249-419-11	CARBON	1. 5K	5%	1/4W		R477	1-249-425-11	CARBON	4. 7K	5%	1/4W	
R418	1-249-441-11		100K		1/4W		R478	1-249-420-11	CARBON	1. 8K		1/4W	
R419	1-249-425-11		4. 7K		1/4W	_	R479	1-249-441-11		100K		1/4W	
R420	1-249-426-11		5. 6K		1/4W	·	R480	1-249-441-11		100K		1/4W	
R421	1-249-425-11		4. 7K		1/4₩		R481	1-249-425-11		4. 7K		1/4W	
R422	1-249-423-11		3. 3K		1/4W		R485	1-249-441-11		100K		1/4W	
R423	1-249-419-11		1. 5K		1/4W		R487	1-249-433-11		22K	5%	1/4W	
R424	1-249-425-11		4. 7K		1/4W		R488	1-249-429-11			5%	1/4W	
R425	1-249-421-11	CARBON	2. 2K	5%	1/4W		R490	1-249-425-11	CARBON	4. 7K	5%	1/4W	

MAIN PANEL A

Ref.	No. Part No.	Desc	<u>ription</u>			Remarks	Ref. N	lo. Part No.	Descript	ion			Remarks
R495	1-249-425-11	CARBON	4. 7K	5%	1/4W			* 4-941-541-01	HOLDER (2-2)	l FD			
R502	1-249-428-11		8. 2K		1/4W			* 4-942-783-01	HOLDER	, LLD			
R503	1-249-420-11		1. 8K					+ 4 342 703 01	HOLDEN				
					1/4W				/ CADACITOR				
R504	1-249-429-11		10K	5%	1/4W				< CAPACITOR	,			
R505	1-249-429-11	CARDUN	10K	5%	1/4W		0001	1 100 040 11	EL FOT	22	200/	0.57	
0500	1 040 400 41	O L D D O L	101/	F4/	4 / 414		C601	1-126-049-11		22uF	20%	25V	
R506	1-249-429-11		10K	5%	1/4W		C602	1-126-049-11	ELECT	22uF	20%	25V	
R507	1-249-433-11		22K	5%	1/4W		C603	1-136-165-00		0. 1uF	5%	50V	
R508	1-249-429-11		10K	5%	1/4W		C604	1-136-165-00		0. 1uF	5%	50V	
R509	1-249-429-11		10K	5%	1/4W		C605	1-126-049-11	ELECT	22uF	20%	25V	
R510	1-249-441-11	CARBON	100K	5%	1/4W								
							C606	1-126-162-11	ELECT	3. 3uF	20%	50V	
R511	1-249-422-11		2. 7K		1/4W		C607	1-126-049-11	ELECT	22uF	20%	25V	
R512	1-249-425-11		4. 7K		1/4W		C608	1-126-049-11		22uF	20%	25V	
R513	1-249-429-11	CARBON	10K	5%	1/4W		C609	1-106-351-00	MYLAR	2200PF	5%	200V	
R514	1-249-437-11	CARBON	47K	5%	1/4W		C610	1-106-343-00	MYLAR	1000PF	5%	200V	
R515	1-249-425-11	CARBON	4. 7K	5%	1/4W								
							C613	1-126-049-11	ELECT	22uF	20%	25V	
R516	1-249-429-11	CARBON	10K	5%	1/4W		C701	1-125-486-11	DUBLE LAYERS	0. 22F		5. 5V	
R517	1-249-417-11	CARBON	1K	5%	1/4W		C702	1-126-059-11	ELECT	10uF	20%	50V	
R518	1-249-425-11	CARBON	4. 7K	5%	1/4W		C703	1-161-379-00	CERAMIC	0. 01uF	20%	25V	
R519	1-249-429-11	CARBON	10K	5%	1/4W		C704	1-126-059-11	ELECT	10uF	20%	50V	
R520	1-249-393-11	CARBON	10	5%	1/4W								
							C705	1-161-379-00	CERAMIC	0. 01uF	20%	25V	
R521	1-249-417-11	CARBON	1K ,	5%	1/4W		C706	1-126-059-11	ELECT	10uF	20%	50V	
R522	1-249-425-11	CARBON	4. 7K	5%	1/4W		C707	1-161-379-00	CERAMIC	0. 01uF	20%	25V	
R523	1-249-425-11	CARBON	4. 7K	5%	1/4W		C708	1-161-494-00	CERAMIC	0. 022uF		25V	
R524	1-249-425-11	CARBON	4. 7K	5%	1/4W		C709	1-161-494-00	CERAMIC	0. 022uF		25V	
R904	1-249-428-11	CARBON	8. 2K	5%	1/4W								
							C712	1-161-379-00	CERAMIC	0. 01uF	20%	25V	
R905	1-249-422-11	CARBON	2. 7K	5%	1/4W		C713	1-161-379-00	CERAMIC	0. 01uF	20%	25V	
R906	1-249-437-11	CARBON	47K	5%	1/4¥		C714	1-126-059-11	ELECT	10uF	20%	50V	
							C715	1-126-162-11	ELECT	3. 3uF	20%	50V	
		< SWITCH	>				C716	1-126-162-11	ELECT	3. 3uF	20%	50V	
S1	<u> </u>	SWITCH, P	USH (AC POW	ER)			C717	1-126-162-11	ELECT	3. 3uF	20%	50V	
							C718	1-126-162-11	ELECT	3. 3uF	20%	50V	
		< VIBRATO	R >				C719	1-126-162-11	ELECT	3. 3uF	20%	50V	
							C720	1-126-059-11	ELECT	10uF	20%	507	
X101	1-579-069-11	VIBRATOR,	CRYSTAL 48	. 1521	Mz		C721	1-126-059-11	ELECT	10uF	20%	50V	
X301	1-577-614-11	VIBRATOR,	CRYSTAL 16	. 345	AHz								
X501	1-579-125-11	VIBRATOR,	CERAMIC 8M	Hz			C722	1-126-049-11	ELECT	22uF	20%	25V	
							C723	1-126-059-11	ELECT	10uF	20%	507	
****	******	******	*******	****	******	***	C724	1-161-494-00	CERAMIC	0. 022uF		25V	
							C801	1-164-159-11	CERAMIC	0. 1uF		50V	
	* A-4345-232-A	PANEL A B	OARD, COMPL	ETE									
		******	******	***					< CONNECTOR	>			
	* 1-637-045-11	PANEL B B	OARD				CN551	1-569-400-11	PLUG, CONNEC	TOR 10P			
	* 1-637-939-11	LAMP HOLD	ER BOARD				CN701	* 1-568-828-11	SOCKET, CONN	ECTOR 9P			
	* 4-941-534-01	HOLDER (1), LED				CN702	* 1-580-409-11	SOCKET, CONN	ECTOR 15P			
	* 4-941-535-01	HOLDER (2	-1), LED				CN751	* 1-568-828-11	SOCKET, CONN	ECTOR 9P			
	* 4-941-536-01	HOLDER (3), LED				CN801	* 1-564-506-11	PLUG, CONNEC	TOR 3P			

Note: The components identified by mark \bigwedge or dotted line with mark \bigwedge are critical for safety. Replace only with part number specified.

PANEL A

Ref. No	Part No.		scription SFORMER >	Remarks	Ref. No.	Part No.	/ 16	Descriptio	<u>on</u>			Remarks
		\ IIVIK	DI ONMEN /				(10	• •				
CP801	1-239-021-11	FNCAPSI	JLATED COMPONENT		10601	8-759-945-58	IC	RC4558P				
••••	. 200 02	2110711 01	Junitary Com Citati		10602	8-759-991-11		XR1091DCI	Þ			
		(DIODI	≣ }		10602	8-759-991-11		XR1091DCI				
		,	•		10604	8-759-007-19		MC74HC40				
D601	8-719-912-20	DIODE	1SS120		10605	8-759-007-19		MC74HC40				
D602	8-719-912-20		1SS120		.0000	0 100 001 10		mo1 -110-10	0.11			
D603	8-719-933-36		HZS6B1L		10701	8-759-323-78	I.C.	HD643532	RRR05F			
D604	8-719-933-36		HZS6B1L		10702	8-759-502-88		SED1330FI				
D605	8-719-912-20		1SS120		10702	8-759-502-08		MSM5165AI				
					10704	8-759-916-21		SN74HC20				
D701	8-719-200-82	DIODE	11ES2		10705	8-759-945-58		RC4558P				
D702	8-719-912-20		1SS120			0 700 0 00		110 10001				
D703	8-719-912-20		1SS120		10706	8-759-823-29	I C	I A5316M				
D704	8-719-912-20	DIODE	1SS120									
D705	8-719-912-20		1SS120				〈 FL	UORESCENT	TUBE 1	,		
							·					
D706	8-719-912-20	DIODE	1SS120		PL801	1-519-653-11	GAS	DISCHARGE	TUBE,	FLUOR	ESCENT	
D707	8-719-912-20	DIODE	1SS120									
D708	8-719-912-20	DIODE	1SS120				⟨ TR	ANSISTOR)	>			
D709	8-719-912-20	DIODE	1SS120									
D710	8-719-912-20	DIODE	1SS120		0601	8-729-900-36	TRAN	SISTOR	DTC1	24ES		
					Q701	8-729-119-76	TRAN	SISTOR	2SA1	175-HF	E	
D711	8-719-912-20	DIODE	1SS120		0702	8-729-119-76	TRAN	SISTOR	2SA1	175-HF	E	
D712	8-719-912-20	DIODE	1SS120		0703	8-729-620-05	TRAN	SISTOR	2SC2	603-EF		
D713	8-719-912-20	DIODE	1SS120		0704	8-729-620-05	TRAN	SISTOR	2SC20	603-EF		
D717	8-719-912-20	DIODE	1SS120									
D721	8-719-301-38	DIODE	SEL2210S-C (EFFECT)		0705	8-729-620-05	TRAN	SISTOR	2SC26	603-EF		
					0706	8-729-620-05	TRAN	SISTOR	2SC20	603-EF		
D723	8-719-301-38	DIODE	SEL2210S-C (PERSONAL FILE)		0707	8-729-620-05	TRAN	SISTOR	2SC20	603-EF		
D724	8-719-301-38	DIODE	SEL2210S-C (F3)		0708	8-729-620-05	TRAN	SISTOR	2SC26	603-EF		
D725	8-719-301-38	DIODE	SEL2210S-C (MORE 10)		0709	8-729-620-05	TRAN	SISTOR	2SC26	603-EF		
D726	8-719-301-38	DIODE	SEL2210S-C (CONTROL)									
D727	8-719-301-38	DIODE	SEL2210S-C (F1)		Q71 0	8-729-620-05	TRAN	SISTOR	2SC26	603-EF		
					0711	8-729-620-05	TRAN	SISTOR	2SC26	03-EF		
D728			SEL2210S-C (EFFECT LEVEL)		Q801	8-729-119-76	TRAN	SISTOR	2SA11	75-HFI	E	
D729			SEL2210S-C (CHARACTER EDIT)									
D730	8-719-301-38		SEL2210S-C (F2)				⟨ RE	SISTOR >				
D731	8-719-301-38		SEL2210S-C (SELECT 10)									
D732	8-719-301-38	DIODE	SEL2210S-C (CONTROL)		R601	1-249-439-11	CARB	ON	68K	5%	1/4W	
2004	0.740.00: 00:	0100-	OFF 444 (F A			1-249-438-11			56K	5%	1/4W	
D801	8-719-304-37		SEL4414E-C			1-249-423-11			3. 3K		1/4W	
D802	8-719-304-37		SEL4414E-C			1-247-899-11			680K		1/4W	
D803	8-719-304-37		SEL4414E-C		R605	1-247-903-00	CARB	ON	1 M	5%	1/4W	
D804	8-719-304-37		SEL4414E-C		2005			•	_			
D805	8-719-304-37	DIODE	SEL4414E-C			1-249-421-11			2. 2K		1/4₩	
DOVE	0 710 204 27	01005	00144145 0			1-249-441-11			100K		1/4W	
D806	8-719-304-37		SEL4414E-C			1-249-425-11			4. 7K		1/4¥	
D807	8-719-304-37		SEL4414E-C			1-249-425-11			4. 7K		1/4₩	
D808	8-719-304-37	DIODE	SEL4414E-C	ľ	R610	1-249-419-11	CARB	JN	1. 5K	5%	1/4W	

PANEL A

Ref. No.	Part No.	Des	cription			<u>Remarks</u>	Ref. No.	Part No.	<u>De</u> :	scription				<u>Remarks</u>
R611	1-249-429-11	CARBON	10K	5%	1/4W		R804	1-249-409-11	CARBON		220	5%	1/4W	
R612	1-249-433-11	CARBON	22K	5%	1/4W		R805	1-249-409-11			220	5%	1/4W	
R614	1-249-429-11	CARBON	10K	5%	1/4W							•	•, ••	
R615	1-249-420-11	CARBON	1. 8K	5%	1/4W				(VARIA	BLE RESI	STOR	>		
R616	1-249-412-11	CARBON	390	5%	1/4W							•		
							RV701	1-238-601-11	RES, AD	J, CARBO	N 22K			
R617	1-249-412-11	CARBON	390	5%	1/4₩									
R618	1-249-412-11	CARBON	390	5%	1/4W				(SWITC	H >				
R619	1-249-412-11	CARBON	390	5%	1/4W									
R701	1-249-425-11	CARBON	4. 7K	5%	1/4W		S700	1-554-303-21	SWITCH,	TACTILE	(DIS	PLAY)		
R702	1-249-433-11	CARBON	22K	5%	1/4W		S701	1-554-303-21	SWITCH,	TACTILE	(DIM	MER)		
							S702	1-554-303-21	SWITCH,	TACTILE	(-)			
R703	1-249-433-11	CARBON	22K	5%	1/4W		S703	1-554-303-21	SWITCH,	TACTILE	(DEN	10)		
R704	1-249-422-11	CARBON	2. 7K	5%	1/4W		S704	1-554-303-21	SWITCH,	TACTILE	(+)			
R705	1-249-422-11	CARBON	2. 7K	5%	1/4W	:								
R706	1-249-402-11	CARBON	56	5%	1/4W		S705	1-554-303-21	SWITCH,	TACTILE	(EFF	ECT)		
R707	1-249-402-11	CARBON	56	5%	1/4W		S710	1-554-303-21	SWITCH,	TACTILE	(EFF	ECT M	ODE)	
							S711	1-554-303-21	SWITCH,	TACTILE	(OFF	:)		
R708	1-249-422-11		2. 7K		1/4W			1-554-303-21						
R709	1-249-422-11		2. 7K		1/4W		S713	1-554-303-21	SWITCH,	TACTILE	(▷)		
R710	1-249-422-11		2. 7K		1/4W									
R711	1-249-422-11		2. 7K		1/4¥			1-554-303-21				.)		
R712	1-249-422-11	CARBON	2. 7K	5%	1/4W			1-554-303-21						
274.4								1-554-303-21						
R713	1-249-422-11		2. 7K		1/4W			1-554-303-21				RACTE	R EDIT)	
R714	1-249-422-11		2. 7K		1/4W		S731	1-554-303-21	SWITCH,	TACTILE	(4)			
R715	1-249-422-11		2. 7K		1/4W									
R716 R717	1-249-433-11		22K	5%	1/4W			1-554-303-21						
Will	1-249-433-11	CANDON	22K	5%	1/4W			1-554-303-21 1-554-303-21						
R718	1-249-433-11	CARRON	22K	5%	1/4W							MENNI	`	
R719	1-249-433-11		22K 22K	5%	1/4# 1/4₩			1-554-303-21 1-554-303-21					,	
R720	1-249-433-11		22K	5%	1/4W		3140	1-334-303-21	3111011,	IACITLE	(LIN	EAN)		
R721	1-249-433-11		22K	5%	1/4W		S741	1-554-303-21	SWITCH	TACTILE	(3)			
R727	1-249-425-11		4. 7K		1/4W			1-554-303-21		TACTILE		PF)		
				•/•	**			1-554-303-21				,		
R728	1-249-441-11	CARBON	100K	5%	1/4W	-		1-554-303-21						
R729	1-249-425-11	CARBON	4. 7K	5%	1/4W			1-554-303-21				ORY)		
R730	1-249-425-11	CARBON	4. 7K	5%	1/4W						•			
R731	1-249-417-11	CARBON	1K	5%	1/4W		S750	1-554-303-21	SWITCH,	TACTILE	(EXP	AND)		
R732	1-249-417-11	CARBON	1K	5%	1/4W		S751	1-554-303-21	SWITCH,	TACTILE	(2)			
							S752	1-554-303-21	SWITCH,	TACTILE	(F3)			
R733	1-249-433-11	CARBON	22K	5%	1/4W		S753	1-554-303-21	SWITCH,	TACTILE	(8)			
R734	1-249-433-11	CARBON	22K	5%	1/4W		S754	1-554-303-21	SWITCH,	TACTILE	(3)			
R735	1-249-433-11		22K	5%	1/4W									
R736	1-249-433-11		22K	5%	1/4W			1-554-303-21					•	
R737	1-249-429-11	CARBON	10K	5%	1/4W			1-554-303-21			-	PRESS:)	
D700	4 040 107 11							1-554-303-21						
R738	1-249-425-11		4. 7K		1/4₩			1-554-303-21						
	1-249-441-11		100K		1/4W		S763	1-554-303-21	SWITCH,	TACTILE	(7)			
	1-249-437-11		47K		1/4W									
	1-249-426-11		5. 6K		1/4W	İ								
R803	1-249-421-11	CARBUN	2. 2K	5 %	1/4W									

PANEL A

Ref. N	lo. Part No.	Description	į	Remarks	Ref. No.	Part No.	Descr	iption	Remarks				
S764	1-554-303-21	SWITCH, TACTILE	(2)				ACCESSORY	& PACKING	MATERIAL				
S765	1-554-303-21	SWITCH, TACTILE	(MORE 10)				******						
S770		SWITCH, TACTILE											
S771	1-554-303-21	SWITCH, TACTILE	(CONTROL)			1-558-271-11	CORD, CONI	NECTION	(AEP, Germany, Italian)				
S772		SWITCH, TACTILE				1-559-533-11	CORD, CONI	NECTION	(AEP, Germany, Italian)				
						1-574-264-11	CORD, LIG	HT PLUG	(AEP, Germany, Italian)				
S773	1-554-303-21	SWITCH, TACTILE	(6)			3-701-630-00	BAG, POLY	ETHYLENE	(Germany, Italian)				
S774		SWITCH, TACTILE				3-753-428-11	MANUAL, II	NSTRUCTION	(English, French,				
S775	1-554-303-21	SWITCH, TACTILE	(SELECT 10)						nish, Portuguese) (AEP)				
		⟨ VIBRATOR ⟩				3-753-428-41	MANUAL, II	NSTRUCTION	(Germany, Dutch,				
							Swedi	sh, Italian)(AEP, Germany, Italian)				
X701	1-577-364-11	VIBRATOR, CERAMI	C 12MHz		*	4-941-928-01	CUSHION (FRONT)	(UK, E, Saudi Arabia)				
X702	1-579-175-11	VIBRATOR, CERAMI	C 10MHz		*	4-941-929-01	CUSHION (REAR)	(UK, E, Saudi Arabia)				
					*	4-944-163-01	CUSHION		(AEP, Germany, Italian)				
*****	*******	******	******		*	4-946-091-01	INDIVIDUAL	L CARTON	(AEP, Germany, Italian)				
		MISCELLANEOUS			******	******	*******	*******	******				

							HARDW	ARE LI	ST				
5	1-575-216-11	WIRE, FLAT TYPE	(9 CORE)				*******	*******	***				
CNJ101	<u>1</u>-526-751-00	OUTLET, AC (UK)											
	1-526-794-11	OUTLET, AC (AEP,	Germany, Italian,		# 1	7-685-134-19	SCREW +BT	P 2. 6X8 T	YPE2 N-S				
			Saudi Arabia)		# 2	7-685-646-79	SCREW +BV	TP 3X8 TY	PE2 N-S				
	1-526-882-00	OUTLET, AC (E)											
CNP1	1-575-651-11	CORD, POWER (AEP,	Germany, Italian)										
	<u></u> 1-575-654-11	CORD, POWER (Saud	di Arabia)										
	<u>_</u> 1-575-656-11	CORD, POWER (E)											
	<u></u> 1-575-669-21	CORD, POWER (UK)											
F101	1-532-259-00	FUSE, TIME-LAG (A	AEP, UK, Germany, Italian)										
			(1. 5A)										
LCD901	1-809-202-11	DISPLAY PANEL, L	IQUID CRYSTAL										
SV701	1-570-046-21	SWITCH, VOLTAGE	CHANGE (E, Saudi Arabia)										
T101	1-450-596-11	TRANSFORMER, POW	ER (AEP, Germany, Italian))									
	1-450-597-11	TRANSFORMER, POW	ER (UK)										
	1-450-598-11	TRANSFORMER, POWI	ER (E, Saudi Arabia)										
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			•										

Note: The components identified by mark \(\frac{\Lambda}{\Lambda} \) or dotted line with mark \(\frac{\Lambda}{\Lambda} \) are critical for safety. Replace only with part number specified.